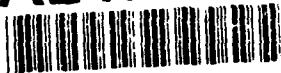


AL-TR-1991-0120

AD-A247 180



DTIC
S E C R E T
MAR 6 1992
C D



**BASELINE HAZARDOUS WASTE STREAM
CHARACTERIZATION SURVEY AT THE
21ST TACTICAL FIGHTER WING,
ELMENDORF AIR FORCE BASE, ALASKA**

Mark S. Bishop, Technical Sergeant, USAF

**OCCUPATIONAL AND ENVIRONMENTAL
HEALTH DIRECTORATE
Brooks Air Force Base, TX 78235-5000**

November 1991

Final Report for Period 25 February - 1 March 1991

Approved for public release; distribution is unlimited.

92 3 03 050

92-05577

**AIR FORCE SYSTEMS COMMAND
BROOKS AIR FORCE BASE, TEXAS 78235-5000**

NOTICES

When Government drawings, specifications, or other data are used for any purpose other than in connection with a definitely Government-related procurement, the United States Government incurs no responsibility or any obligation whatsoever. The fact that the Government may have formulated or in any way supplied the said drawings, specifications, or other data, is not to be regarded by implication, or otherwise in any manner construed, as licensing the holder or any other person or corporation; or as conveying any rights or permission to manufacture, use, or sell any patented invention that may in any way be related thereto.

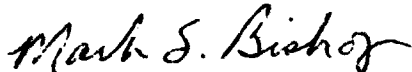
The mention of trade names or commercial products in this publication is for illustration purposes and does not constitute endorsement or recommendation for use by the United States Air Force.

The Office of Public Affairs has reviewed this report, and it is releasable to the National Technical Information Service, where it will be available to the general public, including foreign nationals.

This report has been reviewed and is approved for publication.

Government agencies and their contractors registered with Defense Technical Information Center (DTIC) should direct requests for copies to: DTIC, Cameron Station, Alexandria VA 22304-6145.

Non-Government agencies may purchase copies of this report from: National Technical Information Service (NTIS), 5285 Port Royal Road, Springfield VA 22161-2103.



MARK S. BISHOP, TSgt, USAF
NCOIC, Air Quality and Hazardous
Waste Function



EDWARD F. MAHER, Lt Col, USAF, BSC
Chief, Bioenvironmental Engineering
Division

| REPORT DOCUMENTATION PAGE | | | Form Approved OMB No. 0704-0188 | |
|--|---|--|--|---|
| <small>Public reporting burden for this collection of information is estimated to average 1 hour per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503</small> | | | | |
| 1. AGENCY USE ONLY (Leave blank) | | 2. REPORT DATE Nov 91 | | 3. REPORT TYPE AND DATES COVERED Final 25 Feb - 1 Mar 91 |
| 4. TITLE AND SUBTITLE Baseline Hazardous Waste Stream Characterization Survey at the 21st Tactical Fighter Wing, Elmendorf Air Force Base, Alaska | | | 5. FUNDING NUMBERS | |
| 6. AUTHOR(S) Mark S. Bishop | | | | |
| 7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES) Armstrong Laboratory Occupational and Environmental Health Directorate Brooks Air Force Base, TX 78235-5000 | | | 8. PERFORMING ORGANIZATION REPORT NUMBER AL-TR-1991-0120 | |
| 9. SPONSORING / MONITORING AGENCY NAME(S) AND ADDRESS(ES) | | | 10. SPONSORING / MONITORING AGENCY REPORT NUMBER | |
| 11. SUPPLEMENTARY NOTES | | | | |
| 12a. DISTRIBUTION / AVAILABILITY STATEMENT Approved for public release; distribution is unlimited. | | | 12b. DISTRIBUTION CODE | |
| 13. ABSTRACT (Maximum 200 words) At the request of USAF Regional Hospital Elmendorf/SGPB (PACAF), the Armstrong Laboratory, Occupational and Environmental Health Directorate, conducted a baseline hazardous waste stream characterization survey at Elmendorf AFB from 25 Feb - 1 Mar 91. The scope of this survey was to sample and analyze all active waste streams and oil/water separator sludge from selected sites and to characterize selected drums containing unknown material. The survey team performed a shop-by-shop evaluation of all waste streams and met with hazardous waste managers to discuss their waste programs. | | | | |
| 14. SUBJECT TERMS Hazardous Waste Stream Characterization Drum Sampling Elmendorf Air Force Base Waste Analysis | | | 15. NUMBER OF PAGES 348 | |
| | | | 16. PRICE CODE | |
| 17. SECURITY CLASSIFICATION OF REPORT Unclassified | 18. SECURITY CLASSIFICATION OF THIS PAGE Unclassified | 19. SECURITY CLASSIFICATION OF ABSTRACT Unclassified | 20. LIMITATION OF ABSTRACT UL | |

CONTENTS

| | <u>Page</u> |
|--|-------------|
| ACKNOWLEDGMENTS | iv |
| INTRODUCTION..... | 1 |
| Base Description | 1 |
| Hazardous Waste Program | 1 |
| Objectives | 2 |
| DISCUSSION | 2 |
| Method..... | 2 |
| Survey Overview | 3 |
| Sampling Strategy | 3 |
| Analytical Results | 3 |
| RECOMMENDATIONS..... | 4 |
| REFERENCES..... | 5 |
| APPENDIXES | |
| A Elmendorf AFB Request Letter With Attachments..... | 7 |
| B Table 1: Waste Stream Analysis..... | 13 |
| C Table 2: Oil/Water Separator (Sludge) Analysis | 25 |
| D Table 3: Unknown Drum Characterization Analysis..... | 29 |
| E Key to Notations in Tables 1, 2 and 3 | 35 |
| F Maximum Contaminant Concentrations..... | 37 |
| G Report of Analysis (raw results)..... | 39 |

ACKNOWLEDGMENTS

The author greatly appreciates the technical assistance and hard work provided by personnel at Elmendorf AFB who provided information and logistical support during the survey. Major Waterhouse, Chief, Bioenvironmental Engineering, USAF Regional Hospital, was especially supportive. SMSgt Godwin, MSgt Ziv, MSgt Freitis (Sel) and Sgt Munda, USAF Regional Hospital BES, also provided invaluable assistance.

A special note of thanks is given to MSgt Benjamin Hernandez, AL/OEB, MSgt Michael Wantland, AL/OEAT, SSgt Robert Davis, AL/OEB and A1C Christopher Feagin, AL/OEM, who provided extensive support and dedication before, during and after the survey. Without their support this survey would not have been possible.

**BASELINE HAZARDOUS WASTE STREAM CHARACTERIZATION
SURVEY AT THE 21ST TACTICAL FIGHTER WING,
ELMENDORF AIR FORCE BASE, ALASKA**

INTRODUCTION

The Elmendorf Air Force Base (AFB) Bioenvironmental Engineering Services (BES) requested assistance from Armstrong Laboratory in performing a comprehensive baseline analysis of all chemical waste streams on Elmendorf AFB, Alaska (Appendix A). The survey was prompted by increased regulatory oversight of all environmental programs at Elmendorf AFB and the desire by both the base Environmental Coordinator (21 CES/DEEV) and BES to improve the overall management control of the base's hazardous waste program. The survey was conducted by the following personnel:

| | |
|--------------------------|---------|
| Capt Patrick T. McMullen | AL/OEBE |
| MSgt Michael J. Wantland | AL/OEA |
| MSgt Benjamin Hernandez | AL/OEBE |
| TSgt Mark S. Bishop | AL/OEBE |
| SSgt Robert P. Davis | AL/OEBE |
| A1C Christopher Feagin | AL/OEMB |

Base Description

Elmendorf AFB borders Anchorage, Alaska, north of Ship Creek and is adjacent to Fort Richardson. The base is headquarters for the 11th Tactical Control Wing and the 21st Tactical Fighter Wing with its two F-15 squadrons. The base is located along the Turnagain Arm of Cook Inlet at the base of the picturesque Chuagh Mountain range.

Hazardous Waste Program

The Hazardous Waste Program is managed through the base Civil Engineer, Environmental Coordinator and Contract Planning Office (21 CES/DEEV). The Defense Reutilization and Marketing Office (DRMO) is responsible for contractual removal of hazardous waste. BES supports the program through annual industrial shop surveys and hazardous waste sampling. The base has approximately 180

industrial shops and 186 active waste streams. Because of the large equipment, manpower, and technical expertise requirements required to accomplish the baseline survey, BES requested Armstrong Laboratory support.

Objectives

The first objective of this survey was to visit workplaces to sample and analyze all active waste streams and oil/water separator sludge from 14 selected sites to acquire information in determining the presence of hazardous waste. The last objective was to characterize the contents of 54 drums containing unknown material located at hanger 1, building 11-670, and the 21st CES Power Plant, building 22-004.

DISCUSSION

Method

Each sample was taken to provide a representative sample of the waste. Stratification of the waste due to age and/or varying physical properties was taken into account. All field sampling met the Environmental Protection Agency's (EPA) criteria for representative solid waste sampling according to EPA publication number 846, "Test Methods for Evaluation of Solid Waste." A total of 118 samples was taken from drums and oil/water separators using the established EPA criteria (1).

Drummed liquids were extracted by using a composite liquid waste sampler (COLIWASA). A COLIWASA is a three foot (1.22m) cylindrical glass tube containing a plug rod that is used to close the end of the glass tube. A COLIWASA permits representative sampling of multiphase wastes of a wide range of viscosity, corrosivity, volatility and solids content. A separate COLIWASA was used to collect the sample from each drum.

Sludge samples were obtained by scooping the sample container into the sludge when possible. Paint sludge samples were obtained by tearing the dried paint into pieces and putting the pieces into the sample container.

All samples were collected in Eagle Pitcher Level II Certified bottles. The bottles are cleaned by the vendor according to EPA protocols in order to eliminate the container as a source of sample contamination. Each sample bottle was labeled with a unique sample number to avoid misidentification.

All samples were shipped to the Armstrong Laboratory, Analytical Services Division where they were logged into the computer system and prepared for shipment to Raba-Kistner Consultants, Inc., for analysis.

Survey Overview

A concerted effort was made by all parties involved to accomplish this survey with maximum logistic and economic efficiency. The overall sampling and analysis plan was coordinated on the first survey day with Mr Sam Swearingen, Chief DRMO, to avoid duplication and/or incorrect analysis requests. To reduce analytical costs, composite samples were taken on waste oil samples since all waste oil is combined at DRMO. The first day of the survey was devoted to organizing the equipment for efficient daily deployment, safety and sampling procedure training for all personnel and refining a comprehensive work plan. The next 5 days were spent on the actual sampling. An outbriefing was provided to Col Creighton, 21 TFW/CC, on the final day of the survey.

Sampling Strategy

The purpose of this survey was to determine if wastes generated at all industrial processes are hazardous according to guidance under the Resource Conservation Recovery Act (RCRA). The 4 characteristic tests for hazardous wastes are ignitability, corrosivity, reactivity, or toxicity characteristic leachate procedure (TCLP) according to Title 40, Code of Federal Regulations (CFR) 261, "Identification and Listing of Hazardous Waste." Analysis required to determine if waste oil can meet recycle specifications under Title 40, CFR 266.40, are major components, flash point, total metals for energy recovery, and total organic halogens (2). Sampling strategies were implemented at Elmendorf AFB in order to adequately and properly identify the contents of each waste stream and drum of unknown material or waste. Each waste stream or drum was either sampled individually or, when feasible, with another drum.

Analytical Results

Located in the appendixes are the analytical results organized and grouped according to building number, raw sample results, key to notations and maximum contaminant concentrations:

- Appendix B: Waste Stream Analysis
- Appendix C: Oil/Water Separators
- Appendix D: Unknown Drum Characterization
- Appendix E: Key to Notations, Symbols and Abbreviations
- Appendix F: Maximum Contaminant Concentrations
- Appendix G: Report of Analysis (raw results)

RECOMMENDATIONS

A disposal drum tracking system is needed to prevent drums from being abandoned at collection points without documentation. A number of bases have already established a system to numerically code all drums used in shops for waste storage (hazardous and nonhazardous). The Civil Engineering Squadron at Andrews AFB has an excellent system of tracking drums. An empty drum is first assigned a control number that is recorded by one responsible individual through the use of a master control log. The drum is then issued to the unit hazardous waste monitor for use. After the drum is full of waste, it is taken to the hazardous waste and used oil accumulation point for later disposal. The control number on the drum is verified prior to acceptance. The key to this program is accountability.

REFERENCES

1. United States Environmental Protection Agency, Samplers and Sampling Procedures for Hazardous Waste Streams, EPA-600/2-80-018, January 1980.
2. Code of Federal Regulations, Title 40, Protection of Environment, Part 261, Identification and Listing of Hazardous Waste, and Part 266, Certain Specific Types of Hazardous Waste Facilities, March 1989.

APPENDIX A

Elmendorf AFB Request Letter With Attachments

DEPARTMENT OF THE AIR FORCE
PACIFIC AIR FORCES

FROM: USAF RGN HOSP ELMENDORF/SGPB
24800 HOSPITAL DRIVE
ELMENDORF AFB AK 99506-3700

10 December 1990

SUBJECT: Request for Specialized Hazardous Waste Sampling

TO: HQ 11AF/SG *H. Grier*
HQ PACAF/SGPB *19 Dec 90* See note below
AFOEHL/EQ *19 Dec 90*
IN TURN

1. Provided at Attachment 1 are requests from the Elmendorf AFB, Civil Engineering Squadron requesting hazardous waste analysis for a number of unknown hazardous material containing drums.

a. The first request addresses five concrete lined drums suspected to contain cyanide.

b. Request number two addresses hazardous waste characterization of approximately 360 drums containing unknown materials being stored at the base hazardous waste storage facility awaiting disposal.

2. Bioenvironmental Engineering has recently assumed all base and remote site hazardous waste stream characterization tasking; however, due to the number of barrels currently in storage requiring sampling and the configuration and the associated hazard posed to sampling personnel by the five suspect cyanide containing drums, assistance from AFOEHL/EQE is requested to expedite sample collection and analysis.

3. Provided at Attachment 2 is a cost estimate projection for anticipated 1991 hazardous waste analytical requirements. Full characterization of the 360 unknown drums is considered in the cost estimate. Due to the nature of the five cemented drums, a cost estimate could not be projected.

4. Due to Elmendorf AFB's position as the primary hazardous waste receiving and holding point for Alaska, we request this project be given priority to preclude potential enforcement violations and to ensure Elmendorf can continue to receive and dispose of hazardous waste.

5. Please contact me at AUTOVON 317-552-5011 if additional information is requested in support of this project. Your assistance in this is greatly appreciated.


LINDSEY C. WATERHOUSE, Maj, USAF, BSC
Chief, Bioenvironmental Engineering

2 Atch

1. 21 CSG/DEEV Ltrs of Request
2. SGPB Cost Estimate for Hazardous Waste Monitoring

cc: 21 TFW/CV
21 CSG/DE
21 CSG/DEE
USAF RGN HOSP/SGP
21 CSG/DEEV
AFOEHL/EQE

(NY34:SPECSAM)

5 OCT 1990

FROM: 21 CSG/DEEV
3240

SUBJECT: Request for Sample and Analysis of Containers of Suspected Poison at
FAC 22-009

TO: 11 AF/SGPB
3700

Request you sample and analyze five containers stored at the Elmendorf hazardous waste facility, Bldg. 22-009. The containers are 85-gallon open-headed drums, filled with concrete which surrounds small cylinders containing the substance to be determined. This information was obtained by X-raying the containers. The only evidence of what substance may be inside is the word "cyanide" written on the container. Our POC is Steve Flier, 2-4157.

William R. Reiter

WILLIAM R. REITER, P. E.
Chief, Engineering & Environmental
Planning Branch

File 7
①

FROM: USAF RON HOSP/SGPB
24800 HOSPITAL DRIVE
ELMENDORF AFB AK 99506-3700

4 December 1990

SUBJECT: Hazardous Waste Sampling Costs

TO: 21 CES/DEEV

1. Per your request, the following information comprises a cost estimate for hazardous waste sampling analysis for FY 1991. Man-hour and non-disposable equipment costs are not included in the price-out.

2. Unknown materials barrels currently stored at the hazardous materials warehouse:

355 to 360 drums
No actual grouping, no definitive sources
Complete analysis required 360 @ \$2000 = \$720K

3. Hazardous materials accumulation points:

27 locations
Average of 4 waste streams per location
Estimate 2 complete analysis and 2 partial analysis per location
2 complete @ \$2000 = \$4K, 2 partial at \$1100 = \$2.2k
27 sites @ \$4k + \$2.2K = \$167.4k

4. Estimate of unplanned samples:

Typical 25 per year (tundra mushrooms)
Complete analysis required
25 @ \$2000 = \$50k

5. Sampling supplies and incidentals for 493 samples

Sampling tubes and bottles 493 @ \$19 = \$9367 (\$9.4k)
Disposable equipment per 10 samples 50 @ \$55 = \$2750 (\$2.8k)
Shipment 493 @ \$10 = \$4930 (\$5.0k)
Total \$9.4k + \$2.8k + \$5.0k = \$17.2k

6 Totals

| | |
|-----------|----------|
| Unknowns: | \$720.0k |
| HazWaste | \$167.4k |
| Unplanned | \$50.0k |
| Supplies | \$17.2k |
| ----- | ----- |
| Total | \$954.6k |

ATL2

7. If there are any questions concerning this cost estimate please contact Bioenvironmental Engineering at 552-451/4282.



LINDSEY C. WATERHOUSE, Major, USAF, BSC
Chief, Bioenvironmental Engineering

(ZPCI:WSDOCS:HMSTUF3)

APPENDIX B

Table 1: Waste Stream Analysis

| WASTE STREAM SHIP & BLDG | BASE SAMPLE NO. | DATE SAMPLED | ANALYSIS REQUESTED | MAJOR COMP % | FLASH PT (deg F) | RX (mg/Kg) | CORR (pH) | TCLP METALS (mg/L) | TCLP VOL (mg/L) | ER TOTAL METALS (mg/L) | TOX (mg/L) | PCB (mg/Kg) |
|---|--------------------|-----------------|-----------------------|--|---------------------|---------------|--------------|--|-----------------------|--|------------|----------------|
| Propulsion 11-110 Print Remover | GT910147 | 910225 | ER | Degreaser H ₂ O | 120 | NP | NP | NP | NP | Ar = 0.022 Pb = 0.70 Others = ND | 47 | ND |
| Propulsion 11-110 Carbon Remover | GT910148 | 910225 | TCLP-M MC HTW | H ₂ O Brake Fluid | >200 | ND | 10.0 | Cd=0.16 Cr=1.1 Pb=0.7 Others=ND | NP | NP | NP | NP |
| Propulsion 11-110 Preserve Oil | GT910149 | 910225 | ER | Kerosene Jet Fuel H ₂ O | *108 | NP | NP | NP | NP | ND | ND | ND |
| Propulsion 11-110 Brake Fluid | GT910150 | 910225 | ER | Ethanol H ₂ O | 989 | NP | NP | NP | NP | 0Cd=2.5 Pb=2.3 Others=ND | 53 | ND |
| Propulsion 11-110 7808 Oil | GT910158 | 910225 | ER | PHC | >200 | NP | NP | NP | NP | Pb=1.0 Others=ND | ND | ND |
| Propulsion 11-110 JP-4 Fuel | GT910159 | 910225 | ER | PHC | *90 | NP | NP | NP | NP | ND | ND | ND |
| Propulsion 11-110 Hydraulic Fluid | GT910160 | 910225 | ER | Light Oil | 198 | NP | NP | NP | NP | ND | ND | ND |
| 21 EMS/MAEFC Corr Control 32-050 Paint Waste | GT910152 | 910225 | TCLP-F HTW | Top Layer MER = 97 H ₂ O = 3 Bottom Layer H ₂ O = 74 Organic Soil=25 Inorganic Salts=1 | *90 | ND | 6.0 | Pb=1.9 Others=ND | #a=2,400 Others=ND | NP | NP | NP |

Notes: * Waste is ignitable, <140°F
 ** Exceeds TOX limits of 4000 ppm
 # Exceeds TCLP limits
 0 Exceeds ER criteria
 Full TCLP not performed on 100% organic material that is phased.

TABLE 1. WASTE STREAM ANALYSIS (Cont.)

| WASTE STREAM SHOP & BLDG | BASE SAMPLE NO. | DATE SAMPLED | ANALYSIS REQUESTED | MAJOR COMP % | FLASH PT (deg F) | RX (mg/Kg) | CORR (pH) | TCLP METALS (mg/L) | TCLP VOL (mg/L) | ER TOTAL METALS (mg/L) | TOX (mg/L) | PCB (mg/Kg) |
|---|--------------------|-----------------|-----------------------|---|---------------------|---------------|--------------|--------------------------------|-----------------------|---------------------------------------|------------|----------------|
| Phase Dock Hanger 2 11-570 7808 011 | GT910162 | 910225 | ER | PHC Surfactants 7 | >200 | NP | NP | NP | NP | ND | 55 | ND |
| Phase Dock Hanger 2 11-570 Floor Sweep | GT910163 | 910225 | TCLP-M | NP | NP | NP | NP | ND | NP | NP | NP | NP |
| 21 EMS NDI Hanger 2 11-570 Grn Penetrant | GT910164 | 910225 | ER | Dye Penetrant & Solvent H ₂ O 1 | 185 | NP | NP | NP | NP | Cd = 0.50 Pb = 0.95 Others = ND | 38 | ND |
| 21 EMS NDI Hanger 2 11-570 Emulsifier | GT910165 | 910225 | HTW | H ₂ O Ethylene Glycol 26 | >200 | ND | 6.0 | ND | NP | NP | NP | NP |
| 21 EMS NDI Hanger 2 11-570 Developer | GT910166 | 910225 | HTW | H ₂ O Light Oil 9 | >200 | ND | 7.0 | Cd=0.20 #Cr=78 Others=ND | NP | NP | NP | NP |
| 21 EMS NDI Hanger 2 11-570 Magnet Particle | GT910167 | 910225 | ER | Motor Oil >99 | >200 | NP | NP | NP | NP | @Cd=2.7 Pb=3.8 Others=ND | ND | ND |
| 43 AMU Hanger 3 11-470 7808 011 | GT910169 | 910225 | ER | PHC Surfactants 6 | >200 | NP | NP | NP | NP | Pb=0.36 Others=ND | 46 | ND |

TABLE I. WASTE STREAM ANALYSIS (Cont.)

| WASTE STREAM SHOP & BLDG | BASE SAMPLE NO. | DATE SAMPLED | ANALYSIS REQUESTED | MAJOR COMP % | FLASH PT (deg F) | RX (mg/Kg) | CORR (pH) | TCLP METALS (mg/L) | TCLP VOL (mg/L) | ER TOTAL METALS (mg/L) | TOX (mg/L) | PCB (mg/Kg) |
|---|--------------------|-----------------|-----------------------|--|---------------------|---------------|--------------|--------------------------|-----------------------|---------------------------|------------|----------------|
| 21 EMS/MAEFC Corr Control 32-050 Air Filter | GT910174 | 910225 | TCLP-M | NP | NP | NP | NP | ND | NP | NP | NP | NP |
| 21 EMS/MAEFC Corr Control 32-050 Air Filter | GT910155 | 910225 | TCLP-M | NP | NP | NP | NP | ND Others=ND | NP Others=ND | NP | NP | NP |
| 21 EMS/MAEFC Corr Control 32-050 Turco | GT910151 | 910225 | MC FP | Top Layer Polymers - 51 Bottom Layer H ₂ O = 98 Inorganic Salts=2 | >200 | NP | NP | NP | NP | NP | NP | NP |
| 21 EMS/MAEFC Corr Control 32-050 Enchanolamine | GT910153 | 910225 | TCLP-M HTW | Top Layer Motor Oil = 57 Bottom Layer H ₂ O = 63 PHC = 37 | >200 | ND | 11.0 | Cd=0.25 Other=ND | NP | NP | NP | NP |
| 21 EMS/MAEFC Corr Control 32-050 Floor Sweep | GT910157 | 910225 | TCLP-M | NP | NP | NP | NP | #Cd=1.5 Others=ND | NP | NP | NP | NP |
| 21 EMS/MAEFC Corr Control 32-050 Paint Chips | GT910156 | 910225 | TCLP-M | NP | NP | NP | NP | #Cd=12 Others=ND | NP | NP | NP | NP |
| Phase Dock Hanger 2 11-570 Hydraulic Fluid | GT910161 | 910225 | ER | Lube Oil >99 | >200 | NP | NP | NP | NP | ND | ND | ND |

TABLE 1. WASTE STREAM ANALYSIS (Cont.)

| WASTE STREAM SHOP & BLDG | BASE SAMPLE NO. | DATE SAMPLED | ANALYSIS REQUESTED | MAJOR COMP % | FLASH PT (deg F) | TX (mg/Kg) | CORR (pH) | TCLP METALS (mg/L) | TCLP VOL (mg/L) | ER TOTAL METALS (mg/L) | TOX (mg/L) | PCB (mg/Kg) |
|---|--------------------|-----------------|-----------------------|---|---------------------|---------------|--------------|--------------------------|-----------------------|---|------------|----------------|
| 43 AMU Hanger 3 11-470 Hydraulic Fluid | GT910168 | 910225 | ER | Top Layer Solvents >99 Bottom Layer H ₂ O >99 | >200 | NP | NP | NP | NP | ND | ND | ND |
| 43 AMU Hanger 3 11-470 Coolant | GT910170 | 910225 | TCLP-F | Top Layer PHC >99 (alkanes) Bottom Layer H ₂ O >99 | >200 | ND | 6.0 | Cr=0.80 Others=ND | NP | NP | NP | NP |
| 43 AMU Hanger 3 11-470 Floor Sweep | GT910171 | 910225 | TCLP-M | NP | NP | NP | NP | ND | NP | NP | NP | NP |
| 21 CRS/MACA Avionics 11-120 Cool & Freon | GT910172 | 910225 | ER | Light PHC >99 (alkanes) | >200 | NP | NP | NP | NP | Cd=0.50 Pb=0.26 Others=ND | **24K | ND |
| 21 CRS/MACA Avionics 11-120 Hydraulic Fluid | GT910173 | 910225 | ER | Light PHC 99 (alkanes) Inorganic Salt=1 | >200 | NP | NP | NP | NP | Pb=0.58 Others=ND | **42K | ND |
| 21 EMA AGE Dispatch 11-290 Motor 011 | GT910176 | 910226 | ER | Top Layer Motor Oil >99 Bottom Layer H ₂ O - 100 | >200 | NP | NP | NP | NP | Cd=0.24 Cr=0.84 Pb=7.2 Others=ND | 160 | ND |
| 21 EMA AGE Dispatch 11-290 7808 011 & Hydraulic Fluid | GT910175 | 910226 | ER | Light PHC (alkanes) H ₂ O 5 | >200 | NP | NP | NP | NP | Cr=0.28 Pb=0.75 Others=ND | 130 | ND |

TABLE 1. WASTE STREAM ANALYSIS (Cont.)

| WASTE STREAM SHOP & BLDG | BASE SAMPLE NO. | DATE SAMPLED | ANALYSIS REQUESTED | MAJOR COMP % | FLASH PT (deg F) | RX (mg/Kg) | CORR (pH) | TCLP METALS (mg/L) | TCLP VOL (mg/L) | ER TOTAL METALS (mg/L) | TOX (mg/L) | PCB (mg/Kg) |
|--|--------------------|-----------------|-----------------------|--|---------------------|---------------|--------------|--------------------------|-----------------------|--|------------|----------------|
| 21 TRANS Vehicle Maint 22-900 Antifreeze | GT910185 | 910226 | TCLP-M HTW | Ethylene Glycol >99 | >200 | ND | 8.0 | ND | NP | NP | NP | NP |
| 21 TRANS Vehicle Maint 22-900 Antifreeze | GT910186 | 910226 | TCLP-M HTW | Top Layer Light Oil >99 Bottom Layer H ₂ O 100 | >200 | ND | 8.0 | ND | NP | NP | NP | NP |
| 21 TRANS Vehicle Maint 22-900 PD 680 | GT910187 | 910226 | ER | Light Lube Oil | 150 | NP | NP | NP | NP | Cd=1.9 Pb=4.6 Others=ND | 67 | ND |
| 21 TRANS Vehicle Maint 22-900 OIL-UST | GT910188 | 910226 | ER | Motor Oil >99 | >200 | NP | NP | NP | NP | Cd=0.60 Cr=1.6 Pb=20 Other=ND | 990 | ND |
| 21 TFW/LGTM Heavy Equip 32-141 Antifreeze | GT910189 | 910226 | TCLP-F | Top Layer Motor Oil >99 Bottom Layer H ₂ O 19 Ethylene Glycol 81 | >200 | ND | 8.0 | Pb=2.8 Others=ND | h=7.2 Others=ND | NP | NP | NP |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | 1 |

TABLE 1. WASTE STREAM ANALYSIS (Cont.)

| WASTE STREAM SHOP & BLDG | BASE SAMPLE NO. | DATE SAMPLED | ANALYSIS REQUESTED | MAJOR COMP % | FLASH PT (deg F) | RX (mg/Kg) | CORR (pH) | TCLP METALS (mg/L) | TCLP VOL (mg/L) | ER TOTAL METALS (mg/L) | TOX (mg/L) | PCB (mg/Kg) |
|---|--------------------|-----------------|-----------------------|--|---------------------|---------------|--------------|-------------------------------|-----------------------|--------------------------------|------------|----------------|
| 21 TFW Heavy Equip 32-141 Fuel & Oil | GT910190 | 910226 | TCLP-F | Top Layer Degreaser >99 Bottom Layer H ₂ O = 95 Light Spirits=5 | * <80 | NP | NP | Cd=0.4 Pb=2.0 Others=ND | #a=410 Others=ND | NP | NP | NP |
| 21 TFW Heavy Equip 32-141 Floor Sweep | GT910191 | 910226 | TCLP-M | Top Layer Petro Oil >99 Bottom Layer H ₂ O = 65 Ethylene Glycol = 29 Petro Hydrocarbon=6 | >200 | NP | NP | ND | NP | NP | NP | NP |
| 21 TFW Heavy Equip 32-141 PD 680 | GT910192 | 910226 | ER | Light Lube >99 Oil | 152 | NP | NP | NP | NP | Cd=0.25 Pb=5.3 Others=ND | 57 | ND |
| 21 TFW Heavy Equip 32-141 Fuel & Oil | GT910193 | 910226 | ER | Degreaser 99 H ₂ O 1 | 115 | NP | NP | NP | NP | ND | ND | ND |
| 21 TFW Heavy Equip 32-141 Fuel & Water | GT910194 | 910226 | TCLP-F HTW | Top Layer Degreaser >99 Bottom Layer H ₂ O = 100 | 176 | ND | 7.0 | ND | #a=2,400 | NP | NP | NP |
| 21 TFW Heavy Equip 32-141 Fuel & Water | GT910195 | 910226 | TCLP-F | Top Layer Degreaser >99 Bottom Layer H ₂ O = 87 Degreaser = 13 | *90 | ND | 6.0 | ND | ND | NP | NP | NP |

TABLE 1. WASTE STREAM ANALYSIS (Cont.)

| WASTE STREAM SHOP & BLDG | BASE SAMPLE NO. | DATE SAMPLED | ANALYSIS REQUESTED | MAJOR COMP % | FLASH PT (deg F) | PT RX (mg/Kg) | CORR METALS (mg/L) | TCLP VOL (mg/L) | ER TOTAL METALS (mg/L) | TOX (mg/L) | PCB (mg/Kg) |
|--|--------------------|-----------------|-----------------------|--|---------------------|------------------|-----------------------------|-----------------------|--|------------|----------------|
| 21 TFW Heavy Equip 32-141 Waste Oil | GT910227 | 910228 | TCLP-F | Top Layer Motor Oil >99 Bottom Layer H ₂ O = >99 | >200 | ND | 6.0 Cd=0.10 Others=ND | ND | NP | NP | NP |
| 21 EMS/MAEG AGE 32-127 Antifreeze | GT910196 | 910226 | TCLP-F | Top Layer Motor Oil >99 Bottom Layer H ₂ O = 65 Ethylene Glycol 29 PHC 6 | >200 | NP | NP | #a=13 Others=ND | NP | NP | NP |
| 21 EMS AGE 32-127 7808 Oil | GT910197 | 910226 | ER | PHC >99 (Kerosene/Jet Fuel) (light tube oil) | >200 | NP | NP | NP | Cd = 2.7 Cr = 0.48 Pb = 5.1 Others=ND | ND | ND |
| 21 EMS AGE 32-127 Hydraulic Fluid | GT910198 | 910226 | ER | PHC >99 (alkanes) | 883 | NP | NP | NP | Cd = 0.28 Pb = 3.7 Others=ND | 35 | ND |
| 21 EMS AGE 32-127 Waste Oil | GT910199 | 910226 | ER | Top Layer Motor Oil >99 Bottom Layer H ₂ O = 100 | >200 | NP | NP | NP | Cd = 0.48 Cr = 1.0 Pb = 2.4 Others=ND | 67 | ND |
| 21 EMS AGE 32-127 Paint Filters | GT910200 | 910226 | TCLP-M | NP | NP | NP | NP | NP | NP | NP | NP |
| 21 EMS AGE 32-127 Floor Sweep | GT910201 | 910226 | TCLP-M | NP | NP | NP | NP | NP | NP | NP | NP |

TABLE 1. WASTE STREAM ANALYSIS (Cont.)

| WASTE STREAM SHOP & BLDG | BASE SAMPLE NO. | DATE SAMPLED | ANALYSIS REQUESTED | MAJOR COMP % | FLASH PT (deg F) | PT RX (mg/kg) | CORR (pH) | TCLP METALS (mg/L) | TCLP VOL (mg/L) | ER TOTAL METALS (mg/L) | TOX (mg/L) | PCB (mg/kg) |
|---|--------------------|-----------------|-----------------------|--|---------------------|------------------|--------------|--|--------------------------------|--|------------|----------------|
| 21 CSG/SS Recreation 32-079 Lube Oil | GT910203 | 910226 | ER | Motor Oil >99 | >200 | NP | NP | NP | NP | Cd = 0.24 Pb = 1.1 Others=ND | 86 | ND |
| 21 CSG Auto Hobby 21-200 Antifreeze & Hydraulic Fluid | GT910204 | 910226 | TCLP-F | Top Layer Motor Oil >99 Bottom Layer H ₂ O = 66 Ethylene Glycol 33 PHC 1 | >200 | NP | NP | Cd=0.24 Cr=0.56 Pb=26.2 Others=ND | #a=12.7 #h=1.2 Others=ND | NP | NP | NP |
| 21 CSG Auto Hobby 21-200 Hydraulic Fluid | GT910205 | 910226 | ER | Motor Oil >99 | >200 | NP | NP | NP | NP | Cd = 0.72 Cr = 0.76 Pb = 42 Others=ND | 190 | ND |
| 21 CSG/SS Auto Hobby 21-200 Waste Crank Oil | GT910206 | 910226 | ER | Motor Oil >99 | >200 | NP | NP | NP | NP | Cd = 1.1 Cr = 2.8 Pb = 59 Others=ND | 140 | ND |
| 21 CSG Auto Hobby 21-200 PD 680 | GT910207 | 910226 | ER | Motor Oil 99 H ₂ O 1 | 170 | NP | NP | NP | NP | Cd = 2.5 Cr = 2.9 Pb = 74 Others=ND | 310 | ND |
| 21 CSG Auto Hobby 21-200 Paint Waste & Water | GT910208 | 910226 | TCLP-F | Top Layer H ₂ O 98 PHC 2 Bottom Layer H ₂ O 94 Organic Soil 6 | >200 | NP | NP | NP | ND | NP | NP | NP |

TABLE 1. WASTE STREAM ANALYSIS (Cont.)

| WASTE STREAM SHOP & BLDG | BASE SAMPLE NO. | DATE SAMPLED | ANALYSIS REQUESTED | MAJOR COMP % | FLASH PT (deg F) | RX (mg/Kg) | CORR (pH) | TCLP METALS (mg/L) | TCLP VOL (mg/L) | ER TOTAL METALS (mg/L) | TOX (mg/L) | PCB (mg/Kg) |
|---|--------------------|-----------------|-----------------------|---|---------------------|---------------|--------------|--------------------------|-----------------------|---|------------|----------------|
| 1930 CS SATCOM Power Pro 8-140 Antifreeze | GT910209 | 910226 | TCLP-F | Ethylene Glycol H ₂ O PRC | >200 | NP | NP | Pb=0.8 Others=ND | ND | NP | NP | NP |
| 1930 CS SATCOM Power Pro 8-140 PD 680 | GT910210 | 910226 | ER | Light Oil H ₂ O | 995 | NP | NP | NP | NP | Cd = 0.60 Pb = 3.3 Others=ND | ND | ND |
| 1930 CS SATCOM Power Pro 8-140 Light Oil | GT910211 | 910226 | TCLP-M HTW | H ₂ O Ethylene Glycol | >200 | ND | 7.0 | ND | NP | NP | NP | NP |
| 1930 CS SATCOM Power Pro 8-140 Oil Multi | GT910212 | 910226 | ER | Motor Oil H ₂ O | >200 | NP | NP | NP | NP | Cd = 0.36 Pb = 9.5 Others=ND | ND | ND |
| 1930 CS SATCOM Power Pro 8-140 Lube Oil | GT910213 | 910226 | ER | Motor Oil | >200 | NP | NP | NP | NP | Cd = 0.56 Cr = 0.92 Pb = 6.3 Others=ND | ND | ND |
| Hospital Plant Mgt 24-800 Ethyl Alcohol | GT910214 | 910227 | HTW | H ₂ O Ethylene Glycol | +110 | ND | 5.0 | ND | NP | NP | NP | NP |

TABLE 1. WASTE STREAM ANALYSIS (Cont.)

| WASTE STREAM SHOP & BLDG | BASE SAMPLE NO. | DATE SAMPLED | ANALYSIS REQUESTED | MAJOR COMP % | FLASH PT (deg F) | RX (mg/kg) | CORR (pH) | TCLP METALS (mg/L) | TCLP VOL (mg/L) | ER TOTAL METALS (mg/L) | TOX (mg/L) | PCB (mg/Kg) |
|---|--------------------|-----------------|-----------------------|---|---------------------|---------------|--------------|--------------------------|-----------------------|---|------------|----------------|
| Hospital Plant Mgt 24-800 Xylene | GT910215 | 910227 | HTW | H ₂ O Xylene 3 97 | *95 | ND | 5.0 | Cd = 0.82 Others=ND | NP | NP | NP | NP |
| 962 AWACS AGE 42-300 Hydraulic Fluid | GT910216 | 910227 | HTW | Top Layer H ₂ O PHC Bottom Layer H ₂ O >99 2 >99 | >190 | ND | 7.0 | ND | NP | NP | NP | NP |
| 962 AWACS AGE 42-300 JP-4 Fuel | GT910217 | 910227 | HTW | Top Layer PHC (alkanes) Bottom Layer H ₂ O >99 >99 | *97 | ND | 5.0 | Cd=0.24 Others=ND | NP | NP | NP | NP |
| 962 AWACS AGE 42-300 7808 Oil | GT910218 | 910227 | ER | PHC Surfactants 79 21 | >200 | NP | NP | NP | NP | Cd=0.22 Pb=0.35 Others=ND | ND | ND |
| 962 AWACS AGE 42-300 Oil 30 Wt | GT910219 | 910227 | ER | Motor Oil >99 | >200 | NP | NP | NP | NP | Cd=0.24 Cr=0.80 Pb=2.3 Others=ND | 230 | ND |
| Aero Club 32-209 Waste Acft Oil | GT910228 | 910228 | ER | PHC >99 | >200 | NP | NP | NP | NP | Cd=0.24 Cr=9.8 Pb=0.35 Others=ND | 610 | ND |

APPENDIX C

Table 2: Oil/Water Separator (Sludge) Analysis

TABLE 2. OIL AND WATER SEPARATOR (SLUDGE) ANALYSIS

| LOCATION SHOP & BLDG | BASE SAMPLE NO. | DATE SAMPLED | ANALYSIS REQUESTED | MAJOR COMP % | FLASH PT (deg F) | RX (mg/Kg) | CORR (pH) | TCLP METALS (mg/L) | TCLP VOL (mg/L) |
|----------------------------------|--------------------|-----------------|------------------------------|--|---------------------|---------------|--------------|---------------------------------|-----------------------|
| 21 EMS AGE Maint 32-127 | GS910202 | 910226 | TCLP-F HTM | Top Layer Light Oil >99 Bottom Layer Water 49 Inorganics 27 Heavy Gel 24 | 150 | ND | 7.0 | ND | ND |
| 962 AMACS AGE Maint 42-300 | GS910221 | 910227 | TCLP-F HTM | Top Layer H ₂ O >99 Bottom Layer H ₂ O 61 Inorganic Salt 8 Heavy Gel 31 | >200 | ND | 7.0 | Pb=0.88 Others=ND | ND |
| 616 APS TROS 42-525 | GS910222 | 910227 | TCLP-F HTM Ignit MC | Top Layer H ₂ O 97 PAC 3 Bottom Layer H ₂ O 82 Organic Soil 14 Inorganic Salts 4 | >200 | NP | NP | Cd=0.14 Hg=0.04 Others=ND | g=0.23 Other=ND |
| ARMY CORPS 21-849 | GS910223 | 910227 | TCLP-F HTM Ignit MC | Top Layer H ₂ O 95 PAC Oil 5 Bottom Layer H ₂ O 60 Organic Soil 38 Inorganic Salts 2 | >200 | NP | NP | ND | g=0.29 Others=ND |

Notes: * Waste is ignitable, <140°F

** Exceeds TOX limits of 4000 ppm

Exceeds TCLP limits

0 Exceeds ER criteria

Full TCLP not performed on 100% organic material that is phased.

TABLE 2. OIL AND WATER SEPARATOR (SLUDGE) ANALYSIS (Cont.)

| LOCATION SHOP & BLDG | BASE SAMPLE NO. | DATE SAMPLED | ANALYSIS REQUESTED | MAJOR COMP % | FLASH PT (deg F) | RX (mg/Kg) | CORR (pH) | TCLP METALS (mg/L) | TCLP VOL (mg/L) |
|---------------------------------------|--------------------|-----------------|-----------------------|---|---------------------|---------------|--------------|--------------------------|--|
| HAZ WAS Storage Facility 22-009 | GS910224 | 910227 | TCLP-F HTW | Top Layer Light Oil H ₂ O | 95 5 | NP | NP | Pb=0.66 Others=ND | a=0.52 h=0.009 g=0.31 Others=ND |
| | | | | Middle Layer H ₂ O | 100 | | | | |
| | | | | Bottom Layer Light Oil | 2 | | | | |
| | | | | Organic Soil Inorganic Salts H ₂ O | 37 13 48 | | | | |
| Engine Shop 11-130 | GS910225 | 910227 | TCLP-F HTW | H ₂ O | 16 | NP | NP | Cd=2.4 Others=ND | g=0.32 Others=ND |
| | | | | Inorganic Soil Organic Soil PHC | 60 23 1 | | | | |
| 21 CES Fire Station #3 24-856 | GS910226 | 910227 | TCLP-F HTW | Top Layer H ₂ O | >99 | NP | NP | ND | g=0.32 Others=ND |
| | | | | Bottom Layer H ₂ O | 21 | | | | |
| | | | | Soil PHC | 26 2 | | | | |
| | | | | Inorganic Salts | 51 | | | | |
| 43 AMU Hanger 3 11-670 | GS910234 | 910228 | TCLP-F HTW | Water Diesel/Jet Fuel | 27 28 | ND | 7.0 | ND | a=0.08 |
| | | | | Inorganic Salts | 45 | | | | |
| Hanger 5 32-060 | GS910235 | 910228 | TCLP-F HTW | H ₂ O | 43 | ND | 9.0 | ND | ND |
| | | | | Motor Oil Inorganic Salts Inorganic Sludge | 1 26 30 | | | | |

TABLE 2. OIL AND WATER SEPARATOR (SLUDGE) ANALYSIS (Cont.)

| LOCATION SHOP & BLDG | BASE SAMPLE NO. | DATE SAMPLED | ANALYSIS REQUESTED | MAJOR COMP % | FLASH PT (deg F) | RX (mg/Kg) | CORR (pH) | TCLP METALS (mg/L) | TCLP VOL (mg/l) |
|---------------------------------|--------------------|-----------------|-----------------------|--|---------------------|---------------|--------------|--------------------------|---------------------------------------|
| 21 CES Snow Remove 32-187 | GS910236 | 910228 | TCLP-F HTW | H ₂ O Light Oil Inorganic Salts Ammonia Compounds | 70 1 5 24 | ND | 10.0 | ND | ND |
| Aero Club 32-209 | GS910237 | 910228 | TCLP-F HTW | H ₂ O | >99 | ND | 6.0 | ND | #a=36 #h=5.0 #i=8.6 Other=ND |
| 21 CRS Hush House | GS910238 | 910228 | TCLP-F HTW | H ₂ O PVC Paint Resins Inorganic Material | 34 1 17 48 | ND | 7.0 | ND | ND |
| Body Shop 31-324 | GS910239 | 910228 | TCLP-F HTW | H ₂ O Organic Sol Inorganic Salts | 41 26 33 | ND | 7.0 | ND | #a=12 Other=ND |
| 54 AMU Hanger 1 11-670 | GS910240 | 910228 | TCLP-F HTW | H ₂ O Organic Sol Inorganic Material | 12 36 52 | ND | 7.0 | ND | ND |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

APPENDIX D

Table 3: Unknown Drum Characterization Analysis

TABLE 3. UNKNOWN DRUM CHARACTERIZATION ANALYSIS

| LOCATION SHOP & BUILDING | BASE SAMPLE NO. | DATE SAMPLED | ANALYSIS REQUESTED | MAJOR COMP % | FLASH PT (deg F) | RX (mg/Kg) | CORR (pH) | TCLP METALS (mg/L) | TCLP VOL (mg/L) | ER TOTAL METALS (mg/L) | TOX (mg/L) | PCB (mg/Kg) |
|--|--------------------------------|-----------------|-----------------------|--|---------------------|---------------|--------------|--------------------------|-----------------------|--------------------------------|------------|----------------|
| 21 CES Power Plant 22-004 Diesel Fuel | GT910177 Drum # 01,21 | 910226 | ER | Diesel >99 | 105 | NP | NP | NP | NP | Cd=0.35 Pb=2.4 Others=ND | 72 | ND |
| 21 CES Power Plant 22-004 Turbine Oil | GT910178 Drum # 02,22,26 | 910226 | ER | Top Layer Motor Oil >99 Bottom Layer H ₂ O 90 PHC 10 | >200 | NP | NP | NP | NP | Cd=0.64 Others=ND | 990 | ND |
| 21 CES Power Plant 22-004 Oil from Fans | GT910179 Drum # 04,23 | 910226 | TCLP-F | Top Layer Light Oil 98 Bottom Layer H ₂ O 100 | 176 | ND | 7.0 | ND | ND | NP | NP | NP |
| 21 CES Power Plant 22-004 AW Oil & Solvent | GT910180 Drum # 05,24 | 910226 | TCLP-F | Top Layer Light Oil 99 Bottom Layer H ₂ O 92 Inorganic Salts >7 | 198 | ND | 8.0 | ND | ND | NP | NP | NP |
| 21 CES Power Plant 22-004 Unknown | GT910181 Drum # 25 | 910226 | TCLP-F | Light Oil 27 H ₂ O 72 Inorganics 1 | >200 | ND | 10.0 | ND | ND | NP | NP | NP |
| 21 CES Power Plant 22-004 Morpholine | GT910182 Drum # 26,100 | 910226 | TCLP-F | Top Layer Mixed Polymers 93 Bottom Layer H ₂ O 12 Diethylene Glycol 86 Brake Fluid 2 | *104 | ND | 9.0 | ND | #h=720 Others=ND | ND | NP | NP |

Notes: * Waste is ignitable, <140°F
 ** Exceeds TOX limits of 4000 ppm
 # Exceeds TCLP limits
 @ Exceeds ER criteria
 Full TCLP not performed on 100% organic material that is phased.

TABLE 3. UNKNOWN DRUM CHARACTERIZATION ANALYSIS (Cont.)

| LOCATION SHOP & BLDG | BASE SAMPLE NO. | DATE SAMPLED | ANALYSIS REQUESTED | MAJOR COMP % | FLASH PT (deg F) | RX (mg/Kg) | CORR (pH) | TCLP METALS (mg/L) | TCLP VOL (mg/L) | ER TOTAL METALS (mg/L) | TOX (mg/L) | PCB (mg/Kg) |
|---------------------------------|--------------------|-----------------|-----------------------|---|---------------------|---------------|--------------|--------------------------|----------------------------|---------------------------|------------|----------------|
| Hanger 1 11-670 | GT910248 | 910301 | TCLP-F HTW | Kerosene/ Jet Fuel | >99 | ND | 6.0 | ND | *#a=300 Other=ND | NP | NP | NP |
| Hanger 1 11-670 | GT910249 | 910301 | TCLP-F HTW | Heavy Oil Surfactants | 93 7 | ND | 6.0 | ND | #a=26 #h=20 Other=ND | NP | NP | NP |
| Hanger 1 11-670 | GT910250 | 910301 | TCLP-F HTW | Top Layer Med Oil Sludge Surfactants H ₂ O Bottom Layer H ₂ O | 90 8 2 >99 | ND | 6.0 | ND | ND | NP | NP | NP |
| 21 CES Power Plant 22-004 | GC910251 | 910301 | HTW | H ₂ O Inorganic Salts | 99 1 | ND | 10.0 | ND | NP | NP | NP | NP |
| 21 CES Power Plant 22-004 | GT910252 | 910301 | HTW | H ₂ O Inorganic Salts | 99 1 | ND | 9.0 | ND | NP | NP | NP | NP |
| 21 CES Power Plant 22-004 | GT910253 | 910301 | TCLP-F HTW | Top Layer Motor Oil H ₂ O Bottom Layer H ₂ O PAC | 99 1 94 6 | ND | 6.0 | Cd=0.32 Other=ND | #b=15 #h=78 Other=ND | NP | NP | NP |
| 21 CES Power Plant 22-004 | GT910254 | 910301 | ER HTW | Motor Oil | >99 | NP | NP | NP | NP | ND | ND | ND |

TABLE 3. UNKNOWN DRUM CHARACTERIZATION ANALYSIS (Cont.)

| LOCATION SHOP & BLDG | BASE SAMPLE NO. | DATE SAMPLED | ANALYSIS REQUESTED | MAJOR COMP % | FLASH PT (deg F) | RX (mg/Kg) | TCLP CORR (pH) | TCLP METALS (mg/L) | TCLP VOL (mg/L) | ER TOTAL METALS (mg/L) | TOX (mg/L) | PCB (mg/Kg) |
|---------------------------------|--------------------|-----------------|-----------------------|---|---------------------|---------------|-------------------|-----------------------|---|---------------------------|------------|----------------|
| 21 CES Power Plant 22-004 | GC910255 | 910301 | TCLP-F HTW | Top Layer Motor Oil >99 Bottom Layer H ₂ O 63 PRC 37 | >200 | ND | 8.0 | Pb=2.0 Other=ND | #a=2,200 #f=1,100 #h=16 Other=ND | NP | NP | NP |
| 21 CES Power Plant 22-004 | GT910256 | 910301 | ER HTW | Motor Oil >99 | >200 | NP | NP | NP | NP | ND | 100 | ND |
| 21 CES Power Plant 22-004 | GT910257 | 910301 | TCLP-F HTW | Top Layer Motor Oil >99 Bottom Layer H ₂ O 100 | >200 | ND | 9.0 | ND | #h=1,100 Others=ND | NP | NP | NP |
| 21 CES Power Plant 22-004 | GT910258 | 910301 | HTW | H ₂ O 67 Hydrochloric Acid 32 Inorganics 1 | >200 | ND | <1 | ND | NP | NP | NP | NP |
| 21 CES Power Plant 22-004 | GT910259 | 910301 | HTW | H ₂ O 73 Phosphoric Acid 24 Inorganics 3 | >200 | ND | <1 | ND | NP | NP | NP | NP |
| 21 CES Power Plant 22-004 | GT910260 | 910301 | TCLP-F HTW | Top Layer Motor Oil >99 Bottom Layer H ₂ O >99 | >200 | ND | 6.0 | ND | ND | NP | NP | NP |
| 21 CES Power Plant 22-004 | GT910261 | 910301 | HTW | H ₂ O >99 *124 | >200 | ND | 11 | ND | NP | NP | NP | NP |

TABLE 3. UNKNOWN DRUM CHARACTERIZATION ANALYSIS (Cont.)

| LOCATION SHOP & BLDG | BASE SAMPLE NO. | DATE SAMPLED | ANALYSIS REQUESTED | MAJOR COMP % | FLASH PT (deg F) | RX (mg/Kg) | CORR (pH) | TCLP METALS (mg/L) | TCLP VOL (mg/L) | ER TOTAL METALS (mg/L) | TOX (mg/L) | PCB (mg/Kg) |
|--|---------------------------------------|-----------------|-----------------------|--|---------------------|---------------|--------------|--------------------------|-----------------------|---------------------------|------------|----------------|
| 21 CES Power Plant 22-004 | GT910262 | 910301 | ER HTW | Motor Oil >99 | >200 | NP | NP | NP | NP | Cr=0.35 Other=ND | ND | ND |
| 21 CES Power Plant 22-004 | GT910263 | 910301 | HTW | H ₂ O PFC | 81 >200 19 | ND | 12 | ND | NP | NP | NP | NP |
| 21 CES Power Plant 22-004 | GT910264 | 910301 | TCLP-F HTW | 1,1,1 Trichloroethane H ₂ O | 98 >200 2 | ND | 7.0 | ND | #h=300 Other=ND | NP | NP | NP |
| 21 CES Power Plant 22-004 | GT910265 | 910301 | HTW | H ₂ O PFC Inorganics | 67 >200 32 1 | ND | 9.0 | ND | NP | NP | NP | NP |
| 21 CES Power Plant 22-004 | GT910266 | 910301 | TCLP-F HTW | Top Layer Motor Oil >99 Bottom Layer H ₂ O PFC | *124 90 10 | ND | 6.0 | ND | ND | NP | NP | NP |
| 21 CES Power Plant 22-004 Degrease Electr | GT910183 Drum # 27, 101, 102 | 910226 | TCLP-F | Top Layer Motor Oil >99 Bottom Layer H ₂ O 100 | *137 | ND | 9.0 | Hg=0.020 Others=ND | a=6.6 Others=ND | NP | NP | NP |
| 21 CES Power Plant 22-004 Monophine | GT910184 Drum # 28 | 910226 | TCLP-F | Top Layer Motor Oil >99 Bottom Layer H ₂ O 11 Brake Fluid 89 | *100 | ND | 9.0 | ND | ND | NP | NP | NP |

APPENDIX E
Key to Notations in Tables 1, 2 and 3

**KEY TO ALPHABET NOTATIONS, ELEMENT SYMBOLS
AND ABBREVIATIONS IN TABLES 1, 2, AND 3**

Denotes TCLP Volatiles, Metal Analytes, Energy Recovery Metals:

| <u>Alphabet</u> | <u>VOC Analyte</u> | <u>Limits of Detection (mg/Kg)</u> |
|-----------------|--------------------------|------------------------------------|
| a | Benzene | 8.0 |
| b | Carbon Tetrachloride | 7.5 |
| c | Chlorobenzene | 6.5 |
| d | Chloroform | 9.0 |
| e | 1,2-Dichloroethane | 12.0 |
| f | 1,1-Dichloroethylene | 6.0 |
| g | Methyl Ethyl Ketone | 19.0 |
| h | Tetrachloroethylene | 7.5 |
| i | Trichloroethylene | 6.5 |
| j | Vinyl Chloride | 8.5 |
| k | o - Cresol | 200.0 |
| l | m - Cresol | 200.0 |
| m | p - Cresol | 200.0 |
| n | 1,4 - Dichlorobenzene | 7.5 |
| o | 2,4 - Dinitrotoluene | 0.13 |
| p | Hexachlorobenzene | 0.13 |
| q | Hexachloro-1-3-butadiene | 0.5 |
| r | Hexachloroethane | 3.0 |
| s | Nitrobenzene | 2.0 |
| t | Pentachlorophenol | 100.0 |
| u | Pyridine | 5.0 |
| v | 2,4,5-Trichlorophenol | 400.0 |
| w | 2,4,6-Trichlorophenol | 2.0 |

| <u>Element Symbol</u> | <u>Metal Analyte</u> |
|-----------------------|----------------------|
| Ar | Arsenic |
| Ba | Barium |
| Cr | Chromium |
| Cd | Cadmium |
| Pb | Lead |
| Se | Selenium |
| Ag | Silver |
| Hg | Mercury |

MC: Major Components
 FP: Flash Point
 HTW: Hazardous Toxic Waste
 RX: Reactivity
 ER: Energy Recovery
 TOX: Halogens
 CORR: Corrosivity
 VOL: Volatile
 TCLP-F/M: Toxicity Characteristic Leachate Procedure-Full/Metal
 PHC: Petroleum Hydrocarbon Oil
 MEK: Methyl Ethyl Ketone
 ND: None Detected (below detection limits)
 NP: Not Performed

APPENDIX F
Maximum Contaminant Concentrations

**MAXIMUM CONTAMINANT CONCENTRATIONS
FOR TOXICITY CHARACTERISTIC WASTES**

| Waste Stream Constituent | Concentration (milligrams/liter) | EPA HW No. |
|-----------------------------|-------------------------------------|------------|
| * Arsenic | 5.0 | D004 |
| * Barium | 100.0 | D005 |
| Benzene | 0.5 | D018 |
| * Cadmium | 1.0 | D006 |
| Carbon Tetrachloride | 0.5 | D019 |
| Chlorodane | 0.03 | D020 |
| Chlorobenzene | 100.0 | D021 |
| Chloroform | 6.0 | D022 |
| * Chromium | 5.0 | D007 |
| Cresol | 200.0 | D026 |
| m - Cresol | 200.0 | D024 |
| o - Cresol | 200.0 | D023 |
| p - Cresol | 200.0 | D025 |
| * 2,4-D | 10.0 | D016 |
| 1,4 - Dichlorobenzene | 7.5 | D027 |
| 1,2-Dichloroethane | 0.5 | D028 |
| 1,1-Dichloroethylene | 0.7 | D029 |
| 2,4-Dinitrotoluene | 0.13 | D030 |
| * Endrin | 0.02 | D012 |
| Heptachlor | 0.008 | D031 |
| Hexachlorobenzene | 0.13 | D032 |
| Hexachlorobutadiene | 0.5 | D033 |
| Hexachloroethane | 3.0 | D034 |
| * Lead | 5.0 | D008 |
| * Lindane | 0.4 | D013 |
| * Mercury | 0.2 | D009 |
| * Methoxychlor | 10.0 | D014 |
| Methyl Ethyl Ketone | 200.0 | D035 |
| Nitrobenzene | 2.0 | D036 |
| Pentachlorophenol | 100.0 | D035 |
| Pyridine | 5.0 | D038 |
| * Selenium | 1.0 | D010 |
| * Silver | 5.0 | D011 |
| * 2,4,5-TP (Silvex) | 1.0 | D017 |
| Tetrachloroethylene | 0.7 | D039 |
| * Toxaphene | 0.5 | D015 |
| Trichloroethylene | 0.5 | D040 |
| 2,4,5-Trichlorophenol | 400.0 | D041 |
| 2,4,6-Trichlorophenol | 2.0 | D042 |
| Vinyl Chloride | 0.2 | D043 |

* Note: Extraction procedure for toxic wastes; TCLP must now be utilized for characterizing these wastes

APPENDIX G
Report of Analysis (raw results)

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910147 OEHL SAMPLE NO: 91010961
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910225 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SIGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|--------------------------|----------------|--------------|-------------------|
| Total organic halides | .047 | % | |
| Flash Point (closed cup) | 120 | degrees F | 1010 |
| Aroclor 1016 | <1.0 | mg/kg | |
| Aroclor 1221 | <1.0 | mg/kg | |
| Aroclor 1232 | <1.0 | mg/kg | |
| Aroclor 1242 | <1.0 | mg/kg | |
| Aroclor 1248 | <1.0 | mg/kg | |
| Aroclor 1254 | <1.0 | mg/kg | |
| Aroclor 1260 | <1.0 | mg/kg | |
| Arsenic | 0.022 | mg/L | 3020/2060 |
| Cadmium | <0.2 | mg/L | 3010/2130 |
| Chromium | <0.25 | mg/L | 3010/2190 |
| Lead | 0.70 | mg/L | 3010/2420 |
| Barium | <0.5 | mg/L | 3010/2080 |
| Mercury | <0.01 | mg/L | 2470 |
| Selenium | <0.02 | mg/L | 3020/2740 |
| Silver | <0.05 | mg/L | 3010/2760 |
| Major components | SN | | |

SN : See comment.

Comments:

SAMPLE IS 99% LIGHT PETROLEUM HYDROCARBON (DEGREASER) AND 1% WATER.
< - Signifies none detected and the detection limits.

TO:

AL/OEHE
BROOKS AFB TX 78235-5000

PAGE 1 (Cont'd)

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: 9T910147 OEHL SAMPLE NO: 91010961
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910225 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELHEMDOORF MSGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|-------------|----------------|--------------|-------------------|
|-------------|----------------|--------------|-------------------|

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by: 

Michael J. Wantland, MSgt, USAF
NCOIC Technical Operations Branch

PAGE 2

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910149 OEHL SAMPLE NO: 91010963
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910225 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|--------------------------|----------------|--------------|-------------------|
| Flash Point (closed cup) | 108 | degrees F | 1010 |
| Aroclor 1016 | <1.0 | mg/kg | |
| Aroclor 1221 | <1.0 | mg/kg | |
| Aroclor 1232 | <1.0 | mg/kg | |
| Aroclor 1242 | <1.0 | mg/kg | |
| Aroclor 1248 | <1.0 | mg/kg | |
| Aroclor 1254 | <1.0 | mg/kg | |
| Aroclor 1260 | <1.0 | mg/kg | |
| Arsenic | <0.02 | mg/L | 3020/2060 |
| Cadmium | <0.2 | mg/L | 3010/2130 |
| Chromium | <0.25 | mg/L | 3010/2190 |
| Lead | <0.25 | mg/L | 3010/2420 |
| Total organic halides | <0.03 | % | |
| Mercury | NP | mg/L | 7470 |
| Selenium | NP | mg/L | 3020/2740 |
| Silver | NP | mg/L | 3010/2760 |
| Barium | NP | mg/L | 3010/2080 |
| Major components | SN | | |

SN : See comment.

NP : Test Not Performed

TO:

AL/OEBE
BROOKS AFB TX 78235-5000

PAGE 1 (Cont'd)

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910149 OEHL SAMPLE NO: 91010963
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910225 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HCSP ELMENDORF/SGPB

RESULTS


| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|-------------|----------------|--------------|-------------------|
|-------------|----------------|--------------|-------------------|

Comments:

SAMPLE IS 96% PETROLEUM HYDROCARBON (KEROSENE/JET FUEL) AND 4% WATER.
< - Signifies none detected and the detection limits.

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:


Michael J. Wantland, MSgt, USAF
NCOIC Technical Operations Branch

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910148 OEHL SAMPLE NO: 91010962
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910225 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGH HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|--------------------------|----------------|--------------|-------------------|
| Flash Point (closed cup) | >200 | degrees F | 1010 |
| Corrosivity | SINC | | 1110 |
| Arsenic | <0.5 | mg/L | 3020/7060 |
| Barium | <10.0 | mg/L | 3010/7090 |
| Cadmium | 0.16 | mg/L | 3010/7130 |
| Chromium | 1.1 | mg/L | 3010/7190 |
| Lead | 0.7 | mg/L | 3010/7420 |
| Mercury | <0.02 | mg/L | 7470 |
| Selenium | <0.1 | mg/L | 3020/7740 |
| Silver | <0.5 | mg/L | 3010/7760 |
| Hydrogen ion (pH) | 10.0 | | 1110 |
| Cyanide (total) | <2.0 | | SM 846 SEC 6.3 |
| Sulfides | <10.0 | mg/L | SM 846 SEC 6.3 |
| Major components | SN | | |

SINC : Sample is not corrosive.

SN : See comment.

Comments:

SAMPLE IS 57% WATER AND 43% DIETHYLENE GLYCOL POLYALKYLENE ETHERS
(BRAKE FLUID).

< - Signifies none detected and the detection limits.

TO:

AL DEBE
BROOKS AFB TX 78235-5000

PAGE 1 OF 1

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910148 OEHL SAMPLE NO: 91010962
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910225 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF MSGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|-------------|----------------|--------------|-------------------|
|-------------|----------------|--------------|-------------------|

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by: 

Michael J. Wantland, MSgt, USAF
NCOIC Technical Operations Branch

PAGE 2

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910150 DEHL SAMPLE NO: 91010964
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910225 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|--------------------------|----------------|--------------|-------------------|
| Total organic halides | 0.05 | % | |
| Flash Point (closed cup) | 89 | degrees F | 1010 |
| Aroclor 1016 | <1.0 | mg/kg | |
| Aroclor 1221 | <1.0 | mg/kg | |
| Aroclor 1232 | <1.0 | mg/kg | |
| Aroclor 1242 | <1.0 | mg/kg | |
| Aroclor 1248 | <1.0 | mg/kg | |
| Aroclor 1254 | <1.0 | mg/kg | |
| Aroclor 1260 | <1.0 | mg/kg | |
| Arsenic | <0.02 | mg/L | 3020/7060 |
| Cadmium | 2.5 | mg/L | 3010/7130 |
| Chromium | <0.25 | mg/L | 3010/7190 |
| Lead | 2.3 | mg/L | 3010/7420 |
| Barium | NP | mg/L | 3010/7080 |
| Mercury | NP | mg/L | 7470 |
| Selenium | NP | mg/L | 3020/7740 |
| Silver | NP | mg/L | 3010/7760 |
| Major components | SN | | |

SN : See comment.

NP : Test Not Performed

TO:

AL/OEBE
BROOKS AFB TX 78235-5000

PAGE 1 (Continued)

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910150 OEHL SAMPLE NO: 91010964
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910225 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGP9

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|-------------|----------------|--------------|-------------------|
|-------------|----------------|--------------|-------------------|


Comments:

SAMPLE IS 99% ETHANOL AND 1% WATER.

< - Signifies none detected and the detection limits.

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:



Michael J. Wentland, MSgt, USAF
NCOIC Technical Operations Branch

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910151 DEHL SAMPLE NO: 91010965
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910225 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|--------------------------|----------------|--------------|-------------------|
| Flash Point (closed cup) | >200 | degrees F | 1010 |
| Major components | SN | | |

SN : See comment.

Comments:

SAMPLE IS (TOP 80%) 51% POLYMERS. (BOTTOM 20%) 98% WATER AND 2% INORGANIC MATTER.

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:



Michael J. Wantland, MSgt, USAF
NCOIC Technical Operations Branch

TO:

AL DEBE
BROOKS AFB TX 78235-5000

PAGE 1

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910152 OEHL SAMPLE NO: 91010966
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910225 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|--------------------------|----------------|--------------|-------------------|
| Flash Point (closed cup) | 90 | degrees F | 1010 |
| Corrosivity | SINC | | 1110 |
| Arsenic | <0.5 | mg/L | 3020/7060 |
| Barium | <10.0 | mg/L | 3010/7080 |
| Cadmium | <0.1 | mg/L | 3010/7130 |
| Chromium | <0.5 | mg/L | 3010/7190 |
| Lead | 1.9 | mg/L | 3010/7420 |
| Mercury | <0.02 | mg/L | 7470 |
| Selenium | <0.1 | mg/L | 3020/7740 |
| Silver | <0.5 | mg/L | 3010/7760 |
| Hydrogen ion (pH) | 6.0 | | 1110 |
| Cyanide (total) | <2.0 | | SW 846 SEC 2.3 |
| Sulfides | <10.0 | mg/L | SW 846 SEC 8.3 |
| Benzene | 2400 | mg/L | |
| Carbon Tetrachloride | <5.0 | mg/L | |
| Chlorobenzene | <10.0 | mg/L | |
| Chloroform | <5.0 | mg/L | |
| m-Cresol | <20. | mg/L | |
| o-Cresol | <20. | mg/L | |
| p-Cresol | <20. | mg/L | |
| 1,4-Dichlorobenzene | <10.0 | mg/L | |
| 1,2-Dichloroethane | <5.0 | mg/L | |
| 1,1-Dichloroethene | <5.0 | mg/L | |
| 2,4-Dinitrotoluene | <10.0 | mg/L | |
| Hexachlorobenzene | <10 | mg/L | |
| Hexachlorobutadiene | <10.0 | mg/L | |
| Hexachloroethane | <10.0 | mg/L | |
| Methyl Ethyl Ketone | <100 | mg/L | |

TD:

AL/OEBE
BROOKS AFB TX 78235-5000

PAGE 1 (Continued)

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910152 OEHL SAMPLE NO: 91010966
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910225 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|-----------------------|----------------|--------------|-------------------|
| Nitrobenzene | <10.0 | mg/L | |
| Pentachlorophenol | <10.0 | mg/L | |
| Pyridine | <10.0 | mg/L | |
| Vinyl Chloride | <10.0 | mg/L | |
| Trichloroethylene | <5.0 | mg/L | |
| Tetrachloroethylene | <5.0 | mg/L | |
| 2,4,5-Trichlorophenol | <40. | mg/L | |
| 2,4,6-Trichlorophenol | <10.0 | mg/L | |
| Chlordane | NP | mg/L | |
| 2,4-D | NP | mg/L | |
| Endrin | NP | mg/L | |
| Heptachlor | NP | mg/L | |
| Lindane | NP | mg/L | |
| Methoxychlor | NP | mg/L | |
| Toxaphene | NP | mg/L | |
| Silvex | NP | mg/L | |

SINC : Sample is not corrosive.

NP : Test Not Performed

Comments:

SAMPLE IS (TOP 80%) 97% MEK AND 3% WATER. (BOTTOM 20%) 74% WATER,
25% ORGANIC SOIL (HUMIS) AND 1% INORGANIC SALTS.

< - Signifies none detected and the detection limits.

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910152 OEHL SAMPLE NO: 91010966
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910225 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|-------------|----------------|--------------|-------------------|
|-------------|----------------|--------------|-------------------|

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by: 

Michael J. Wantland, MSgt, USAF
NCOIC Technical Operations Branch

PAGE 3

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910153 OEHL SAMPLE NO: 91010967
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910225 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|--------------------------|----------------|--------------|-------------------|
| Flash Point (closed cup) | >200 | degrees F | 1010 |
| Corrosivity | SINC | | 1110 |
| Arsenic | <0.5 | mg/L | 3020/7060 |
| Barium | <10.0 | mg/L | 3010/7080 |
| Cadmium | 0.25 | mg/L | 3010/7130 |
| Chromium | <0.5 | mg/L | 3010/7190 |
| Lead | <0.5 | mg/L | 3010/7420 |
| Mercury | <0.02 | mg/L | 7470 |
| Selenium | <0.1 | mg/L | 3020/7740 |
| Silver | <0.5 | mg/L | 3010/7760 |
| Hydrogen ion (pH) | 11.0 | | 1110 |
| Cyanide (total) | <2.0 | | SW 846 SEC 8.3 |
| Sulfides | <10.0 | mg/L | SW 846 SEC 8.3 |
| Major components | SN | | |

SINC : Sample is not corrosive.

SN : See comment.

Comments:

SAMPLE IS (TOP 5%) 100% PETROLEUM HYDROCARBONS (MOTOR OIL). (BOTTOM
95%) 63% WATER AND 37% PETROLEUM HYDROCARBONS (EMULSIFIED).
< - Signifies none detected and the detection limits.

TO:

AL/OEBE
BROOKS AFB TX 78235-5000

PAGE 1 (Cont'd)

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910153 OEHL SAMPLE NO: 91010967
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910225 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|-------------|----------------|--------------|-------------------|
|-------------|----------------|--------------|-------------------|

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:



Michael J. Wantland, MSgt, USAF
NCOIC Technical Operations Branch

PAGE 2

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910155 DEHL SAMPLE NO: 91010968
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910225 DATE REPORTED: 910515
SAMPLE SUBMITTED BY: USAF RGN HQSP ELMENDORF/SGPB


RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> |
|-------------|----------------|--------------|
| Arsenic | <0.5 | mg/L |
| Barium | <10.0 | mg/L |
| Cadmium | <0.1 | mg/L |
| Chromium | <0.5 | mg/L |
| Lead | <0.5 | mg/L |
| Mercury | <0.02 | mg/L |
| Selenium | <0.1 | mg/L |
| Silver | <0.5 | mg/L |

Comments:

< - Signifies none detected and the detection limits.
All methods conform to those required by SW 846.

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by: 

Michael J. Wantland, MSgt, USAF
NCOIC Technical Operations Branch

TO:

Det 5 HL E7
BROOKS AFB TX 78235-5000

PAGE 1

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910156 OEHL SAMPLE NO: 91010969
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910225 DATE REPORTED: 910515
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

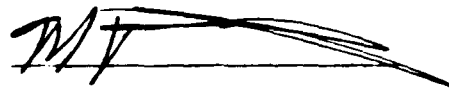
| <u>Test</u> | <u>Results</u> | <u>Units</u> |
|-------------|----------------|--------------|
| Arsenic | <0.5 | mg/L |
| Barium | <10.0 | mg/L |
| Cadmium | 12 | mg/L |
| Chromium | <0.5 | mg/L |
| Lead | <0.5 | mg/L |
| Mercury | <0.02 | mg/L |
| Selenium | <0.1 | mg/L |
| Silver | <0.5 | mg/L |

Comments:

< - Signifies none detected and the detection limits.
All methods conform to those required by SW 846.

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:



Michael J. Wantland, MSgt, USAF
NCOIC Technical Operations Branch

TO:

Det A ALPED
BROOKS AFB TX 78235-5000

PAGE 1

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910157 DEHL SAMPLE NO: 91010970
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910225 DATE REPORTED: 910515
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> |
|-------------|----------------|--------------|
| Arsenic | <0.5 | mg/L |
| Barium | <10.0 | mg/L |
| Cadmium | 1.5 | mg/L |
| Chromium | <0.5 | mg/L |
| Lead | <0.5 | mg/L |
| Mercury | <0.02 | mg/L |
| Selenium | <0.1 | mg/L |
| Silver | <0.5 | mg/L |

Comments:

< - Signifies none detected and the detection limits.
All methods conform to those required by SW 846.

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:



Michael J. Wantland, MSgt, USAF
NCDIC Technical Operations Branch

TO:

Det 6 ALIED
BROOKS AFB TX 78235-5000

PAGE 1

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910158 OEHL SAMPLE NO: 91010971
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910225 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|--------------------------|----------------|--------------|-------------------|
| Total organic halides | <0.03 | % | |
| Flash Point (closed cup) | >200 | degrees F | 1010 |
| Aroclor 1016 | <1.0 | mg/kg | |
| Aroclor 1221 | <1.0 | mg/kg | |
| Aroclor 1232 | <1.0 | mg/kg | |
| Aroclor 1242 | <1.0 | mg/kg | |
| Aroclor 1248 | <1.0 | mg/kg | |
| Aroclor 1254 | <1.0 | mg/kg | |
| Aroclor 1260 | <1.0 | mg/kg | |
| Arsenic | <0.02 | mg/L | 3020/7060 |
| Cadmium | <0.2 | mg/L | 3010/7130 |
| Chromium | <0.25 | mg/L | 3010/7190 |
| Lead | 1.0 | mg/L | 3010/7420 |
| Major components | SN | | |

SN : See comment.

Comments:

SAMPLE IS >99% PETROLEUM HYDROCARBONS.
< - Signifies none detected and the detection limits.

TO:

AL/DEBE
BROOKS AFB TX 78235-5000

PAGE 1 (Cont d)

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

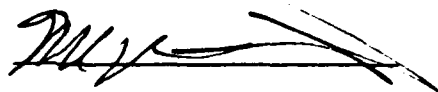
BASE SAMPLE NO: GT910158 OEHL SAMPLE NO: 91010971
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910225 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|-------------|----------------|--------------|-------------------|
|-------------|----------------|--------------|-------------------|

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:



Michael J. Wantland, MSgt, USAF
NCOIC Technical Operations Branch

PAGE 2

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910159 OEHL SAMPLE NO: 91010972
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910225 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|--------------------------|----------------|--------------|-------------------|
| Total organic halides | <0.03 | % | |
| Flash Point (closed cup) | 90 | degrees F | 1010 |
| Aroclor 1016 | <1.0 | mg/kg | |
| Aroclor 1221 | <1.0 | mg/kg | |
| Aroclor 1232 | <1.0 | mg/kg | |
| Aroclor 1242 | <1.0 | mg/kg | |
| Aroclor 1248 | <1.0 | mg/kg | |
| Aroclor 1254 | <1.0 | mg/kg | |
| Aroclor 1260 | <1.0 | mg/kg | |
| Arsenic | <0.02 | mg/L | 3020/7060 |
| Cadmium | <0.2 | mg/L | 3010/7130 |
| Chromium | <0.25 | mg/L | 3010/7190 |
| Lead | <0.25 | mg/L | 3010/7420 |
| Major components | SN | | |

SN : See comment.

Comments:

SAMPLE IS >99% PETROLEUM HYDROCARBONS (KEPOSENE/JET FUEL).
< - Signifies none detected and the detection limits.

TO:

AL/DEBE
BROOKS AFB TX 78235-5000

PAGE 1 (Continued)

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910159 DEHL SAMPLE NO: 91010972
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910225 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|-------------|----------------|--------------|-------------------|
|-------------|----------------|--------------|-------------------|

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:



Michael J. Wantland, MSgt, USAF
NCOIC Technical Operations Branch

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910160 DEHL SAMPLE NO: 91010973
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910225 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEINDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|--------------------------|----------------|--------------|-------------------|
| Total organic halides | <0.03 | % | |
| Flash Point (closed cup) | 198 | degrees F | 1010 |
| Aroclor 1016 | <1.0 | mg/kg | |
| Aroclor 1221 | <1.0 | mg/kg | |
| Aroclor 1232 | <1.0 | mg/kg | |
| Aroclor 1242 | <1.0 | mg/kg | |
| Aroclor 1248 | <1.0 | mg/kg | |
| Aroclor 1254 | <1.0 | mg/kg | |
| Aroclor 1260 | <1.0 | mg/kg | |
| Arsenic | <0.02 | mg/L | 3020/7060 |
| Cadmium | <0.2 | mg/L | 3010/7130 |
| Chromium | <0.25 | mg/L | 3010/7190 |
| Lead | <0.25 | mg/L | 3010/7420 |
| Major components | SN | | |

SN : See comment.

Comments:

SAMPLE IS 99% LIGHT PETROLEUM HYDROCARBON OIL.
< - Signifies none detected and the detection limits.

TO:

AL KOEBE
BROOKS AFB TX 78235-5000

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910160 OEHL SAMPLE NO: 91010973
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910225 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|-------------|----------------|--------------|-------------------|
|-------------|----------------|--------------|-------------------|

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by: 

Michael J. Wantland, MSgt, USAF
NCOIC Technical Operations Branch

PAGE 2

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910161 OEHL SAMPLE NO: 91010974
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910225 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|--------------------------|----------------|--------------|-------------------|
| Total organic halides | <0.03 | % | |
| Flash Point (closed cup) | >200 | degrees F | 1010 |
| Aroclor 1016 | <1.0 | mg/kg | |
| Aroclor 1221 | <1.0 | mg/kg | |
| Aroclor 1232 | <1.0 | mg/kg | |
| Aroclor 1242 | <1.0 | mg/kg | |
| Aroclor 1248 | <1.0 | mg/kg | |
| Aroclor 1254 | <1.0 | mg/kg | |
| Aroclor 1260 | <1.0 | mg/kg | |
| Arsenic | <0.02 | mg/L | 3020/7060 |
| Cadmium | <0.2 | mg/L | 3010/7130 |
| Chromium | <0.25 | mg/L | 3010/7190 |
| Lead | <0.25 | mg/L | 3010/7420 |
| Major components | SN | | |

SN : See comment.

Comments:

SAMPLE IS >99% PETROLEUM HYDROCARBONS (LUBE OIL).
< - Signifies none detected and the detection limits.

TO:

AL DEBE
BROOKS AFB TX 78235-5000

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910161 OEHL SAMPLE NO: 91010974
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910225 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|-------------|----------------|--------------|-------------------|
|-------------|----------------|--------------|-------------------|

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:



Michael J. Wantland, MSgt, USAF
NCOIC Technical Operations Branch

PAGE 2

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910162 OEHL SAMPLE NO: 91010975
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910225 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|--------------------------|----------------|--------------|-------------------|
| Total organic halides | 0.05 | % | |
| Flash Point (closed cup) | >200 | degrees F | 1010 |
| Aroclor 1016 | <1.0 | mg/kg | |
| Aroclor 1221 | <1.0 | mg/kg | |
| Aroclor 1232 | <1.0 | mg/kg | |
| Aroclor 1242 | <1.0 | mg/kg | |
| Aroclor 1248 | <1.0 | mg/kg | |
| Aroclor 1254 | <1.0 | mg/kg | |
| Aroclor 1260 | <1.0 | mg/kg | |
| Arsenic | <0.02 | mg/L | 3020/7060 |
| Cadmium | <0.2 | mg/L | 3010/7130 |
| Chromium | <0.25 | mg/L | 3010/7190 |
| Lead | <0.25 | mg/L | 3010/7420 |
| Major components | SN | | |

SN : See comment.

Comments:

SAMPLE IS 93% PETROLEUM HYDROCARBONS AND 7% SURFACTANTS.
< - Signifies none detected and the detection limits.

TD:

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

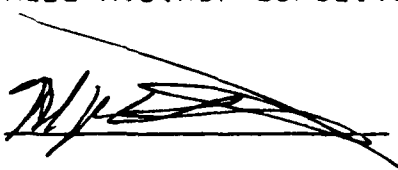
BASE SAMPLE NO: GT910162 DEHL SAMPLE NO: 91010975
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910225 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|-------------|----------------|--------------|-------------------|
|-------------|----------------|--------------|-------------------|

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:


Michael J. Wantland, MSgt, USAF
NCOIC Technical Operations Branch

PAGE 2

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910164 OEHL SAMPLE NO: 91010977
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910225 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|--------------------------|----------------|--------------|-------------------|
| Total organic halides | 0.04 | % | |
| Flash Point (closed cup) | 185 | degrees F | 1010 |
| Aroclor 1016 | <1.0 | mg/kg | |
| Aroclor 1221 | <1.0 | mg/kg | |
| Aroclor 1232 | <1.0 | mg/kg | |
| Aroclor 1242 | <1.0 | mg/kg | |
| Aroclor 1248 | <1.0 | mg/kg | |
| Aroclor 1254 | <1.0 | mg/kg | |
| Aroclor 1260 | <1.0 | mg/kg | |
| Arsenic | <0.02 | mg/L | 3020/7060 |
| Cadmium | 0.50 | mg/L | 3010/7130 |
| Chromium | <0.25 | mg/L | 3010/7190 |
| Lead | 0.95 | mg/L | 3010/7420 |
| Major components | SN | | |

SN : See comment.

Comments:

SAMPLE IS >99% PETROLEUM HYDROCARBONS (DYE PENETRANT AND SOLVENT) AND 1% WATER.

< - Signifies none detected and the detection limits.

TD:

AL DEBE
BROOKS AFB TX 78235-5000

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910164 OEHL SAMPLE NO: 91010977
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910225 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|-------------|----------------|--------------|-------------------|
|-------------|----------------|--------------|-------------------|

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by: 

Michael J. Wantland, MSgt, USAF
NCOIC Technical Operations Branch

PAGE 2

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910165 DEHL SAMPLE NO: 91010978
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910225 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|--------------------------|----------------|--------------|-------------------|
| Flash Point (closed cup) | >200 | degrees F | 1010 |
| Corrosivity | SINC | | 1110 |
| Arsenic | <0.5 | mg/L | 3020/7060 |
| Barium | <10.0 | mg/L | 3010/7080 |
| Cadmium | <0.1 | mg/L | 3010/7170 |
| Chromium | <0.5 | mg/L | 3010/7190 |
| Lead | <0.5 | mg/L | 3010/7420 |
| Mercury | <0.02 | mg/L | 7470 |
| Selenium | <0.1 | mg/L | 3020/7740 |
| Silver | <0.5 | mg/L | 3010/7760 |
| Hydrogen ion (pH) | 6.0 | | 1110 |
| Cyanide (total) | <2.0 | | SW 846 SEC 8.3 |
| Sulfides | <10.0 | mg/L | SW 846 SEC 8.3 |
| Major components | SN | | |

SINC : Sample is not corrosive.

SN : See comment.

Comments:

SAMPLE IS 74% WATER AND 26% ETHYLENE GLYCOL.

< - Signifies none detected and the detection limits.

TO:

AL DEBE
BROOKS AFB TX 78235-5000

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

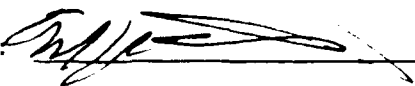
REPORT OF ANALYSIS

BASE SAMPLE NO: GT910165 OEHL SAMPLE NO: 91010978
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910225 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|-------------|----------------|--------------|-------------------|
|-------------|----------------|--------------|-------------------|

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by: 

Michael J. Wantland, MSgt, USAF
NCOIC Technical Operations Branch

PAGE 2

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910166 OEHL SAMPLE NO: 91010979
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910225 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|--------------------------|----------------|--------------|-------------------|
| Flash Point (closed cup) | >200 | degrees F | 1010 |
| Corrosivity | SINC | | 1110 |
| Arsenic | <0.5 | mg/L | 3020/7060 |
| Barium | <10.0 | mg/L | 3010/7080 |
| Cadmium | 0.20 | mg/L | 3010/7130 |
| Chromium | 78 | mg/L | 3010/7190 |
| Lead | <0.5 | mg/L | 3010/7420 |
| Mercury | <0.02 | mg/L | 7470 |
| Selenium | <0.1 | mg/L | 3020/7740 |
| Silver | <0.5 | mg/L | 3010/7760 |
| Hydrogen ion (pH) | 7.0 | | 1110 |
| Cyanide (total) | <2.0 | | SW 846 SEC 3.3 |
| Sulfides | <10.0 | mg/L | SW 846 SEC 3.3 |
| Major components | SN | | |

SINC : Sample is not corrosive.

SN : See comment.

Comments:

SAMPLE IS 91% WATER AND 9% PETROLEUM HYDROCARBONS (LIGHT OIL).
< - Signifies none detected and the detection limits.

TO:

AL/OEBE
BROOKS AFB TX 78235-5000

PAGE 1(Cont'd)

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910166 DEHL SAMPLE NO: 91010979
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910225 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|-------------|----------------|--------------|-------------------|
|-------------|----------------|--------------|-------------------|

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by: 

Michael J. Wantland, MSgt, USAF
NCOIC Technical Operations Branch

PAGE 2

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910167 OEHL SAMPLE NO: 91010980
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910225 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|--------------------------|----------------|--------------|-------------------|
| Total organic halides | <0.03 | % | |
| Flash Point (closed cup) | >200 | degrees F | 1010 |
| Aroclor 1016 | <1.0 | mg/kg | |
| Aroclor 1221 | <1.0 | mg/kg | |
| Aroclor 1232 | <1.0 | mg/kg | |
| Aroclor 1242 | <1.0 | mg/kg | |
| Aroclor 1248 | <1.0 | mg/kg | |
| Aroclor 1254 | <1.0 | mg/kg | |
| Aroclor 1260 | <1.0 | mg/kg | |
| Arsenic | <0.02 | mg/L | 3020/7060 |
| Cadmium | 2.7 | mg/L | 3010/7130 |
| Chromium | <0.25 | mg/L | 3010/7190 |
| Lead | 3.8 | mg/L | 3010/7420 |
| Major components | SN | | |

SN : See comment.

Comments:

SAMPLE IS >99% PETROLUEM HYDROCARBONS (MOTOR OIL).
< - Signifies none detected and the detection limits.

TO:

AL/OEBE
BROOKS AFB TX 78235-5000

PAGE 1 (Cont'd)

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

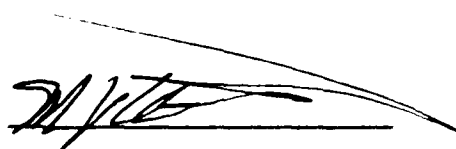
BASE SAMPLE NO: GT910167 DEHL SAMPLE NO: 91010980
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910225 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|-------------|----------------|--------------|-------------------|
|-------------|----------------|--------------|-------------------|

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:



Michael J. Wantland, MSgt, USAF
NCOIC Technical Operations Branch

PAGE 2

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910168 DEHL SAMPLE NO: 91010981
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910225 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|--------------------------|----------------|--------------|-------------------|
| Total organic halides | <0.03 | % | |
| Flash Point (closed cup) | >200 | degrees F | 1010 |
| Aroclor 1016 | <1.0 | mg/kg | |
| Aroclor 1221 | <1.0 | mg/kg | |
| Aroclor 1232 | <1.0 | mg/kg | |
| Aroclor 1242 | <1.0 | mg/kg | |
| Aroclor 1248 | <1.0 | mg/kg | |
| Aroclor 1254 | <1.0 | mg/kg | |
| Aroclor 1260 | <1.0 | mg/kg | |
| Arsenic | <0.02 | mg/L | 3020/7060 |
| Cadmium | <0.2 | mg/L | 3010/7130 |
| Chromium | <0.25 | mg/L | 3010/7190 |
| Lead | <0.25 | mg/L | 3010/7420 |
| Major components | SN | | |

SN : See comment.

Comments:

SAMPLE IS (TOP 95%) >99% LIGHT PETROLEUM HYDROCARBONS (SOLVENT).
(BOTTOM 5%) >99% WATER.
< - Signifies none detected and the detection limits.

TO:

AL DEBE
BROOKS AFB TX 78235-5000

75

PAGE 1 (Cont'd)

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

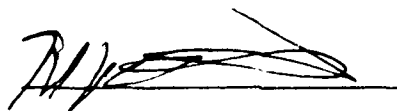
BASE SAMPLE NO: GT910168 OEHL SAMPLE NO: 91010981
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910225 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|-------------|----------------|--------------|-------------------|
|-------------|----------------|--------------|-------------------|

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:



Michael J. Wantland, MSgt, USAF
HCOIC Technical Operations Branch

PAGE 2

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910169 OEHL SAMPLE NO: 91010982
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910225 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HDSP ELMENDORF/60PB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|--------------------------|----------------|--------------|-------------------|
| Total organic halides | 0.05 | % | |
| Flash Point (closed cup) | >200 | degrees F | 1010 |
| Aroclor 1016 | <1.0 | mg/kg | |
| Aroclor 1221 | <1.0 | mg/kg | |
| Aroclor 1232 | <1.0 | mg/kg | |
| Aroclor 1242 | <1.0 | mg/kg | |
| Aroclor 1248 | <1.0 | mg/kg | |
| Aroclor 1254 | <1.0 | mg/kg | |
| Aroclor 1260 | <1.0 | mg/kg | |
| Arsenic | <0.02 | mg/L | 3020/7060 |
| Cadmium | <0.2 | mg/L | 3010/7130 |
| Chromium | <0.25 | mg/L | 3010/7190 |
| Lead | 0.36 | mg/L | 3010/7420 |
| Major components | SN | | |

SN : See comment.

Comments:

SAMPLE IS 94% PETROLEUM HYDROCARBONS AND 6% SURFACTANTS.
< - Signifies none detected and the detection limits.

TO:

AL 108BE
BROOKS AFB TX 78235-5000

77

PAGE 1 (Cont'd)

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

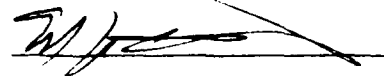
BASE SAMPLE NO: GT910169 OEHL SAMPLE NO: 91010982
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910225 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF PGH HOSP ELMENDORF AFB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|-------------|----------------|--------------|-------------------|
|-------------|----------------|--------------|-------------------|

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:



Michael J. Wantland, MSgt, USAF
NODIC Technical Operations Branch

PAGE 2

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910170 DEHL SAMPLE NO: 91010983
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910225 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|--------------------------|----------------|--------------|-------------------|
| Flash Point (closed cup) | >200 | degrees F | 1010 |
| Corrosivity | SINC | | 1110 |
| Arsenic | <0.5 | mg/L | 3020/7060 |
| Barium | <10.0 | mg/L | 3010/7080 |
| Cadmium | <0.1 | mg/L | 3010/7130 |
| Chromium | 0.80 | mg/L | 3010/7190 |
| Lead | <0.5 | mg/L | 3010/7420 |
| Mercury | <0.02 | mg/L | 7470 |
| Selenium | <0.1 | mg/L | 3020/7740 |
| Silver | <0.5 | mg/L | 3010/7760 |
| Hydrogen ion (pH) | 6.0 | | 1110 |
| Cyanide (total) | <2.0 | | SW 846 SEC 8.3 |
| Sulfides | <10.0 | mg/L | SW 846 SEC 8.3 |

SINC : Sample is not corrosive.

Comments:

SAMPLE IS (TOP 95%) >99% PETROLEUM HYDROCARBONS (ALKANES). (BOTTOM 5%) >99% WATER.

< - Signifies none detected and the detection limits.

TO:

AL/OEBE
BROOKS AFB TX 78235-5000

PAGE 1 (Cont'd)

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

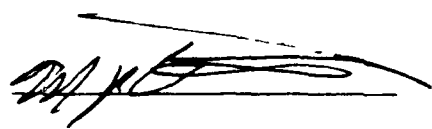
BASE SAMPLE NO: GT910170 OEHL SAMPLE NO: 91010983
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910225 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|-------------|----------------|--------------|-------------------|
|-------------|----------------|--------------|-------------------|

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:


Michael J. Wantland, MSgt, USAF
NCOIC Technical Operations Branch

PAGE 2

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910172 DEHL SAMPLE NO: 91010985
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910225 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|--------------------------|----------------|--------------|-------------------|
| Total organic halides | 24 | % | |
| Flash Point (closed cup) | 2200 | degrees F | 1010 |
| Aroclor 1016 | <1.0 | mg/kg | |
| Aroclor 1221 | <1.0 | mg/kg | |
| Aroclor 1232 | <1.0 | mg/kg | |
| Aroclor 1242 | <1.0 | mg/kg | |
| Aroclor 1248 | <1.0 | mg/kg | |
| Aroclor 1254 | <1.0 | mg/kg | |
| Aroclor 1260 | <1.0 | mg/kg | |
| Arsenic | <0.02 | mg/L | 3020/7060 |
| Cadmium | 0.50 | mg/L | 3010/7130 |
| Chromium | <0.25 | mg/L | 3010/7190 |
| Lead | 0.26 | mg/L | 3010/7420 |
| Major components | SH | | |

SH : See comment.

Comments:

SAMPLE IS 99% LIGHT PETROLEUM HYDROCARBONS (ALKANES).
< - Signifies none detected and the detection limits.

TO:

ALADEBE
BROOKS AFB TX 78235-5501

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910172 OEHL SAMPLE NO: 91010985
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910225 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HDSP ELIENENDORF MSGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|-------------|----------------|--------------|-------------------|
|-------------|----------------|--------------|-------------------|

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:



Michael J. Wantland, MSgt, USAF
NLOIC Technical Operations Branch

PAGE 2

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910173 OEHL SAMPLE NO: 91010986
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910225 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|--------------------------|----------------|--------------|-------------------|
| Total organic halides | 42 | % | |
| Flash Point (closed cup) | >200 | degrees F | 1010 |
| Aroclor 1016 | <1.0 | mg/kg | |
| Aroclor 1221 | <1.0 | mg/kg | |
| Aroclor 1232 | <1.0 | mg/kg | |
| Aroclor 1242 | <1.0 | mg/kg | |
| Aroclor 1248 | <1.0 | mg/kg | |
| Aroclor 1254 | <1.0 | mg/kg | |
| Aroclor 1260 | <1.0 | mg/kg | |
| Arsenic | <0.02 | mg/L | 3020/7060 |
| Cadmium | <0.2 | mg/L | 3010/7130 |
| Chromium | <0.25 | mg/L | 3010/7190 |
| Lead | 0.58 | mg/L | 3010/7420 |
| Major components | SN | | |

SN : See comment.

Comments:

SAMPLE IS 99% LIGHT PETROLEUM HYDROCARBONS (ALKANES) AND 1% INORGANIC SALT.

< - Signifies none detected and the detection limits.

TO:

AL DEBE
BROOKS AFB TX 78235-5000

83

PAGE 1 (Continued)

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910173 DEHL SAMPLE NO: 91010986
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910225 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|-------------|----------------|--------------|-------------------|
|-------------|----------------|--------------|-------------------|

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:



Michael J. Wantland, MSgt, USAF
NCOIC Technical Operations Branch

PAGE 2

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910175 OEHL SAMPLE NO: 91010490
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910226 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPE

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|--------------------------|----------------|--------------|-------------------|
| Total organic halides | .13 | % | |
| Flash Point (closed cup) | >200 | degrees F | 1010 |
| Aroclor 1016 | <1.0 | mg/kg | |
| Aroclor 1221 | <1.0 | mg/kg | |
| Aroclor 1232 | <1.0 | mg/kg | |
| Aroclor 1242 | <1.0 | mg/kg | |
| Aroclor 1248 | <1.0 | mg/kg | |
| Aroclor 1254 | <1.0 | mg/kg | |
| Aroclor 1260 | <1.0 | mg/kg | |
| Arsenic | <0.02 | mg/L | 3020/7060 |
| Cadmium | <0.2 | mg/L | 3010/7130 |
| Chromium | 0.28 | mg/L | 3010/7190 |
| Copper | 0.75 | mg/L | 3010/7420 |
| Major components | SN | | |

SN : See comment.

Comments:

SAMPLE IS 25% LIGHT PETROLEUM HYDROCARBONS (ALKANES) AND 5% WAXES
N.D. signifies none detected and the detection limits.

TO:

AL/OEHE
BROOKS AFB TX 78235-5000

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910175 GEHL SAMPLE NO: 91010990
SAMPLE TYPE: WASTE, HAZARDOUS-TOXIC DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910226 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF SLPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|-------------|----------------|--------------|-------------------|
|-------------|----------------|--------------|-------------------|

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:



Michael J. Wantland, MSgt, USAF
NCOIC Technical Operations Branch

PAGE 2

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910176 OEHL SAMPLE NO: 91010991
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910226 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|--------------------------|----------------|--------------|-------------------|
| Total organic halides | .16 | % | |
| Flash Point (closed cup) | >200 | degrees F | 1010 |
| Aroclor 1016 | <1.0 | mg/kg | |
| Aroclor 1221 | <1.0 | mg/kg | |
| Aroclor 1232 | <1.0 | mg/kg | |
| Aroclor 1242 | <1.0 | mg/kg | |
| Aroclor 1248 | <1.0 | mg/kg | |
| Aroclor 1254 | <1.0 | mg/kg | |
| Aroclor 1260 | <1.0 | mg/kg | |
| Arsenic | <0.02 | mg/L | 3020/7060 |
| Cadmium | 0.24 | mg/L | 3010/7130 |
| Chromium | 0.84 | mg/L | 3010/7190 |
| Lead | 7.2 | mg/L | 3010/7420 |
| Major components | SN | | |

SN : See comment.

Comments:

SAMPLE IS (TOP 75%) >99% PETROLEUM HYDROCARBONS (MOTOR OIL). (BOTTOM 25%) 100% WATER.

< - Signifies none detected and the detection limits.

TO:

AL-DEBE
BROOKS AFB TX 78235-5000

87

PAGE 1 (Cont'd)

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: BT910176 OERL SAMPLE NO: 91010991
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910226 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF IS3P5

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|-------------|----------------|--------------|-------------------|
|-------------|----------------|--------------|-------------------|

Analyzed by: Rabalais-Ristner Consultants, Inc.

Reviewed by:



Michael J. Wantland, MSgt, USAF
NCOIC Technical Operations Branch

Page 2

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910163 DEHL SAMPLE NO: 91010976
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910225 DATE REPORTED: 910515
SAMPLE SUBMITTED BY: USAF RGN HQSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> |
|-------------|----------------|--------------|
| Arsenic | <0.5 | mg/L |
| Barium | <10.0 | mg/L |
| Cadmium | <0.1 | mg/L |
| Chromium | <0.5 | mg/L |
| Lead | <0.5 | mg/L |
| Mercury | <0.02 | mg/L |
| Selenium | <0.1 | mg/L |
| Silver | <0.5 | mg/L |

Comments:

- Signifies none detected and the detection limits.
All methods conform to those required by SW 846.

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:



Michael J. Wantland, MSgt, USAF
NCOIC Technical Operations Branch

TO:

Det 6 AL EO
BROOKS AFB TX 78235-5000

PAGE 1

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910171 DEHL SAMPLE NO: 91010984
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910225 DATE REPORTED: 910515
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

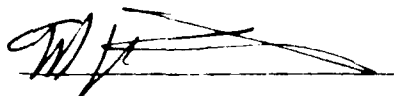
| <u>Test</u> | <u>Results</u> | <u>Units</u> |
|-------------|----------------|--------------|
| Arsenic | <0.5 | mg/L |
| Barium | <10.0 | mg/L |
| Cadmium | <0.1 | mg/L |
| Chromium | <0.5 | mg/L |
| Lead | <0.5 | mg/L |
| Mercury | <0.02 | mg/L |
| Selenium | <0.1 | mg/L |
| Silver | 0.5 | mg/L |

Comments:

None of the above were detected and the detection limits.
All methods conform to those required by SW 846.

Analyzed by: Babak-Kistner Consultants, Inc.

Reviewed by:



Michael J. Wantland, MSgt, USAF
NCOIC Technical Operations Branch

TO:

Det. A. H. E.
BROOKS AFB TX 78235-5501

PAGE 1

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910172 DEHL SAMPLE NO: 91010987
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910225 DATE REPORTED: 910515
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> |
|----------------------|----------------|--------------|
| Acetone | LCL | ug/L |
| Acrolein | LCL | ug/L |
| Acrylonitrile | LCL | ug/L |
| Benzene | LCL | mg/L |
| Carbon Tetrachloride | LCL | mg/L |
| Chlorobenzene | LCL | mg/L |
| Chloroform | LCL | mg/L |
| 1,1-Dichloroethene | LCL | mg/L |
| 1,2-Dichloroethane | LCL | mg/L |
| Vinyl Chloride | LCL | mg/L |
| Trichloroethylene | LCL | mg/L |
| Tetrachloroethylene | LCL | mg/L |
| Methyl Ethyl Ketone | LCL | mg/L |

LCL : Sample Lost by Contract Laboratory.

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:



Michael J. Wantland, MSgt, USAF
NCOIC Technical Operations Branch

TO:

Det 6 AL/OFBE
BROOKS AFB TX 78235-5000

PAGE 1

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910173 OEHL SAMPLE NO: 91010988
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910225 DATE REPORTED: 910515
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> |
|----------------------|----------------|--------------|
| Acetone | LCL | ug/L |
| Acrolein | LCL | ug/L |
| Acrylonitrile | LCL | ug/L |
| Benzene | LCL | mg/L |
| Carbon Tetrachloride | LCL | mg/L |
| Chlorobenzene | LCL | mg/L |
| Chloroform | LCL | mg/L |
| 1,1-Dichloroethene | LCL | mg/L |
| 1,2-Dichloroethane | LCL | mg/L |
| Methyl Chloride | LCL | mg/L |
| Trichloroethylene | LCL | mg/L |
| Tetrachloroethylene | LCL | mg/L |
| Methyl Ethyl Ketone | LCL | mg/L |

LCL : Sample Lost by Contract Laboratory.

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:



Michael J. Wantland, MSgt, USAF
NCOIC Technical Operations Branch

TO:

Det 6 AL OEHE
BROOKS AFB TX 78235-5000

92

PAGE 1

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910174 DEHL SAMPLE NO: 91010989
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910225 DATE REPORTED: 910515
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS


| <u>Test</u> | <u>Results</u> | <u>Units</u> |
|-------------|----------------|--------------|
| Arsenic | <0.5 | mg/L |
| Barium | <10.0 | mg/L |
| Cadmium | <0.1 | mg/L |
| Chromium | <0.5 | mg/L |
| Lead | <0.5 | mg/L |
| Mercury | <0.02 | mg/L |
| Selenium | <0.1 | mg/L |
| Silver | <0.5 | mg/L |

Comments:

< - Signifies none detected and the detection limits.
All methods conform to those required by SW 846.

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:


Michael J. Wantland, MSgt, USAF
NCOIC Technical Operations Branch

TD:

Det 6 AL/ED
BROOKS AFB TX 78235-5000

PAGE 1

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910177 OEHL SAMPLE NO: 91010392
SAMPLE TYPE: WASTE, HAZARDOUS TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910226 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|--------------------------|----------------|--------------|-------------------|
| Total organic halides | 0.72 | % | |
| Flash Point (closed cup) | 105 | degrees F | 1010 |
| Aroclor 1016 | <1.0 | mg/kg | |
| Aroclor 1221 | <1.0 | mg/kg | |
| Aroclor 1232 | <1.0 | mg/kg | |
| Aroclor 1242 | <1.0 | mg/kg | |
| Aroclor 1248 | <1.0 | mg/kg | |
| Aroclor 1254 | <1.0 | mg/kg | |
| Aroclor 1260 | <1.0 | mg/kg | |
| Arsenic | <0.02 | mg/L | 3020 7020 |
| Cadmium | 0.35 | mg/L | 3010 7130 |
| Chromium | <0.25 | mg/L | 3010 7190 |
| Lead | 2.4 | mg/L | 3010 7420 |
| Major components | BN | | |

BN : See comment.

Comments:

SAMPLE IS 99% PETROLEUM HYDROCARBONS (DIESEL).
< - Signifies none detected and the detection limits.

TO:

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910177 OEHL SAMPLE NO: 91010992
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910226 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|-------------|----------------|--------------|-------------------|
|-------------|----------------|--------------|-------------------|

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:



Michael J. Wantland, MSgt, USAF
NCCIC Technical Operations Branch

PAGE 2

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910178 DEHL SAMPLE NO: 91010993
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910226 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|--------------------------|----------------|--------------|-------------------|
| Total organic halides | .99 | % | |
| Flash Point (closed cup) | >200 | degrees F | 1010 |
| Aroclor 1016 | <1.0 | mg/kg | |
| Aroclor 1221 | <1.0 | mg/kg | |
| Aroclor 1232 | <1.0 | mg/kg | |
| Aroclor 1242 | <1.0 | mg/kg | |
| Aroclor 1248 | <1.0 | mg/kg | |
| Aroclor 1254 | <1.0 | mg/kg | |
| Aroclor 1260 | <1.0 | mg/kg | |
| Arsenic | <0.02 | mg/L | 3020/2060 |
| Cadmium | 0.64 | mg/L | 3010/2130 |
| Chromium | <0.25 | mg/L | 3010/2190 |
| Lead | <0.25 | mg/L | 3010/2420 |
| Major components | SN | | |

SN : See comment.

Comments:

SAMPLE IS (TOP 60%) >99% PETROLEUM HYDROCARBONS (MOTOR OIL). (BOTTOM 40%) 90% WATER AND 10% PETROLEUM HYDROCARBONS.

< - Signifies none detected and the detection limits.

TO:

AL/DEBE
BROOKS AFB TX 78235-5000

96

PAGE 1 (Continued)

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEX 78235-5501

REPORT OF ANALYSIS

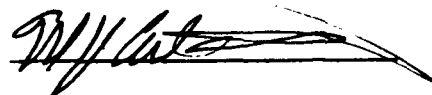
BASE SAMPLE NO: GT910178 DEHL SAMPLE NO: 91010993
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910226 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|-------------|----------------|--------------|-------------------|
|-------------|----------------|--------------|-------------------|

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:



Michael J. Wantland, MSgt, USAF
NCOIC Technical Operations Branch

PAGE 2

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GC910179 OEHL SAMPLE NO: 91010994
SAMPLE TYPE: UNCLASSIFIED
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910226 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|--------------------------|----------------|--------------|-------------------|
| Flash Point (closed cup) | 176 | degrees F | 1010 |
| Corrosivity | SINC | | 1110 |
| Arsenic | <0.5 | mg/L | 3020/7060 |
| Barium | <10.0 | mg/L | 3010/7080 |
| Cadmium | <0.1 | mg/L | 3010/7130 |
| Chromium | <0.5 | mg/L | 3010/7190 |
| Lead | <0.5 | mg/L | 3010/7420 |
| Mercury | <0.02 | mg/L | 7470 |
| Selenium | <0.1 | mg/L | 3020/7740 |
| Silver | <0.5 | mg/L | 3010/7760 |
| Hydrogen ion (pH) | 7.0 | | 1110 |
| Cyanide (total) | <2.0 | | SM 846 SEC 8.3 |
| Sulfides | <10.0 | mg/L | SM 846 SEC 8.3 |
| Benzene | <5.0 | mg/L | |
| Carbon Tetrachloride | <5.0 | mg/L | |
| Chlordane | NP | mg/L | |
| Chlorobenzene | <10.0 | mg/L | |
| Chloroform | <5.0 | mg/L | |
| m-Cresol | <20. | mg/L | |
| o-Cresol | <20. | mg/L | |
| p-Cresol | <20. | mg/L | |
| 1,4-Dichlorobenzene | <10.0 | mg/L | |
| 1,2-Dichloroethane | <5.0 | mg/L | |
| 1,1-Dichloroethene | <5.0 | mg/L | |
| 2,4-D | NP | mg/L | |
| 2,4-Dinitrotoluene | <10.0 | mg/L | |
| Endrin | NP | mg/L | |
| Heptachlor | NP | mg/L | |

TO:

AL/OEBE
BROOKS AFB TX 78235-5000

PAGE 1 (Cont'd)

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GC910179 OEHL SAMPLE NO: 91010994
SAMPLE TYPE: UNCLASSIFIED
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910226 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|-----------------------|----------------|--------------|-------------------|
| Hexachlorobenzene | <10.0 | mg/L | |
| Hexachlorobutadiene | <10.0 | mg/L | |
| Hexachloroethane | <10.0 | mg/L | |
| Lindane | NP | mg/L | |
| Methoxychlor | NP | mg/L | |
| Methyl Ethyl Ketone | <100 | mg/L | |
| Nitrobenzene | <10.0 | mg/L | |
| Pentachlorophenol | <10.0 | mg/L | |
| Pyridine | <10.0 | mg/L | |
| Toxaphene | NP | mg/L | |
| Vinyl Chloride | <10.0 | mg/L | |
| Trichloroethylene | <5.0 | mg/L | |
| Tetrachloroethylene | <5.0 | mg/L | |
| 2,4,5-Trichlorophenol | <40. | mg/L | |
| 2,4,6-Trichlorophenol | <10.0 | mg/L | |
| Silvex | NP | mg/L | |
| Major components | SN | | |

SINC : Sample is not corrosive.

NP : Test Not Performed

SN : See comment.

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GC910179 OEHL SAMPLE NO: 91010994
SAMPLE TYPE: UNCLASSIFIED
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910226 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|-------------|----------------|--------------|-------------------|
|-------------|----------------|--------------|-------------------|

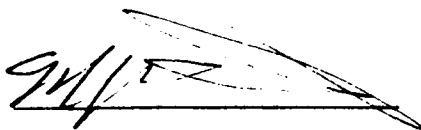
Comments:

SAMPLE IS (TOP 30%) 98% LIGHT PETROLEUM OIL AND 2% WATER. (BOTTOM 70%) 100% WATER.

< - Signifies none detected and the detection limits.

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:



Michael J. Wantland, MSgt, USAF
NCOIC Technical Operations Branch

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GC910180 OEHL SAMPLE NO: 91010995
SAMPLE TYPE: UNCLASSIFIED
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910226 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|--------------------------|----------------|--------------|-------------------|
| Flash Point (closed cup) | 198 | degrees F | 1010 |
| Corrosivity | SINC | | 1110 |
| Arsenic | <0.5 | mg/L | 3020/7060 |
| Barium | <10.0 | mg/L | 3010/7080 |
| Cadmium | <0.1 | mg/L | 3010/7130 |
| Chromium | <0.5 | mg/L | 3010/7190 |
| Lead | <0.5 | mg/L | 3010/7420 |
| Mercury | <0.02 | mg/L | 7470 |
| Selenium | <0.1 | mg/L | 3020/7740 |
| Silver | <0.5 | mg/L | 3010/7760 |
| Hydrogen ion (pH) | 8.0 | | 1110 |
| Cyanide (total) | <2.0 | | SW 846 SEC 8.3 |
| Sulfides | <10.0 | mg/L | SW 846 SEC 8.3 |
| Benzene | <5.0 | mg/L | |
| Carbon Tetrachloride | <5.0 | mg/L | |
| Chlordane | NP | mg/L | |
| Chlorobenzene | <10.0 | mg/L | |
| Chloroform | <5.0 | mg/L | |
| m-Cresol | <20. | mg/L | |
| o-Cresol | <20. | mg/L | |
| p-Cresol | <20. | mg/L | |
| 1,4-Dichlorobenzene | <10.0 | mg/L | |
| 1,2-Dichloroethane | <5.0 | mg/L | |
| 1,1-Dichloroethene | <5.0 | mg/L | |
| 2,4-D | NP | mg/L | |
| 2,4-Dinitrotoluene | <10.0 | mg/L | |
| Endrin | NP | mg/L | |
| Heptachlor | NP | mg/L | |

TD:

AL/OEBE
BROOKS AFB TX 78235-5000

PAGE 1 (Cont'd)

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GC910180 DEHL SAMPLE NO: 91010995
SAMPLE TYPE: UNCLASSIFIED
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910226 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|-----------------------|----------------|--------------|-------------------|
| Hexachlorobenzene | <10.0 | mg/L | |
| Hexachlorobutadiene | <10.0 | mg/L | |
| Hexachloroethane | <10.0 | mg/L | |
| Lindane | NP | mg/L | |
| Methoxychlor | NP | mg/L | |
| Methyl Ethyl Ketone | <100 | mg/L | |
| Nitrobenzene | <10.0 | mg/L | |
| Pentachlorophenol | <10.0 | mg/L | |
| Pyridine | <10.0 | mg/L | |
| Toxaphene | NP | mg/L | |
| Vinyl Chloride | <10.0 | mg/L | |
| Trichloroethylene | <5.0 | mg/L | |
| Tetrachloroethylene | <5.0 | mg/L | |
| 2,4,5-Trichlorophenol | <40. | mg/L | |
| 2,4,6-Trichlorophenol | <10.0 | mg/L | |
| Silvex | NP | mg/L | |
| Major components | SN | | |

SINC : Sample is not corrosive.
NP : Test Not Performed
SN : See comment.

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GC910180 DEHL SAMPLE NO: 91010995
SAMPLE TYPE: UNCLASSIFIED
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910226 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|-------------|----------------|--------------|-------------------|
|-------------|----------------|--------------|-------------------|

Comments:

SAMPLE IS (TOP 30%) 99% LIGHT PETROLEUM OIL. (BOTTOM 90%) 92% WATER
AND 7% INORGANIC SALTS.
< - Signifies none detected and the detection limits.

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:



Michael J. Wantland, MSgt, USAF
NCOIC Technical Operations Branch

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910181 OEHL SAMPLE NO: 91010996
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910226 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|--------------------------|----------------|--------------|-------------------|
| Flash Point (closed cup) | >200 | degrees F | 1010 |
| Corrosivity | SINC | | 1110 |
| Arsenic | <0.5 | mg/L | 3020/7060 |
| Barium | <10.0 | mg/L | 3010/7080 |
| Cadmium | <0.1 | mg/L | 3010/7130 |
| Chromium | <0.5 | mg/L | 3010/7190 |
| Lead | <0.5 | mg/L | 3010/7420 |
| Mercury | <0.02 | mg/L | 7470 |
| Selenium | <0.1 | mg/L | 3020/7740 |
| Silver | <0.5 | mg/L | 3010/7760 |
| Hydrogen ion (pH) | 10.0 | | 1110 |
| Cyanide (total) | <2.0 | | SW 846 SEC 8.3 |
| Sulfides | <10.0 | mg/L | SW 846 SEC 8.3 |
| Benzene | <5.0 | mg/L | |
| Carbon Tetrachloride | <5.0 | mg/L | |
| Chlordane | NP | mg/L | |
| Chlorobenzene | <10.0 | mg/L | |
| Chloroform | <5.0 | mg/L | |
| m-Cresol | <20. | mg/L | |
| o-Cresol | <20. | mg/L | |
| p-Cresol | <20. | mg/L | |
| 1,4-Dichlorobenzene | <10.0 | mg/L | |
| 1,2-Dichloroethane | <5.0 | mg/L | |
| 1,1-Dichloroethene | <5.0 | mg/L | |
| 2,4-D | NP | mg/L | |
| 2,4-Dinitrotoluene | <10.0 | mg/L | |
| Endrin | NP | mg/L | |
| Heptachlor | NP | mg/L | |

TO:

AL/OEBE
BROOKS AFB TX 78235-5000

PAGE 1 (Cont'd)

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910181 DEHL SAMPLE NO: 91010996
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910226 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|-----------------------|----------------|--------------|-------------------|
| Hexachlorobenzene | <10.0 | mg/L | |
| Hexachlorobutadiene | <10.0 | mg/L | |
| Hexachloroethane | <10.0 | mg/L | |
| Lindane | NP | mg/L | |
| Methoxychlor | NP | mg/L | |
| Methyl Ethyl Ketone | <100 | mg/L | |
| Nitrobenzene | <10.0 | mg/L | |
| Pentachlorophenol | <10.0 | mg/L | |
| Pyridine | <10.0 | mg/L | |
| Toxaphene | NP | mg/L | |
| Vinyl Chloride | <10.0 | mg/L | |
| Trichloroethylene | <5.0 | mg/L | |
| Tetrachloroethylene | <5.0 | mg/L | |
| 2,4,5-Trichlorophenol | <40. | mg/L | |
| 2,4,6-Trichlorophenol | <10.0 | mg/L | |
| Silvex | NP | mg/L | |
| Major components | SN | | |

SINC : Sample is not corrosive.

NP : Test Not Performed

SN : See comment.

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910181 OEHL SAMPLE NO: 91010996
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910226 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS


| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|-------------|----------------|--------------|-------------------|
|-------------|----------------|--------------|-------------------|

Comments:

SAMPLE IS 72% WATER, 27% LIGHT PETROLEUM OIL AND 1% INORGANICS.
< - Signifies none detected and the detection limits.

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:


Michael J. Wantland, MSgt, USAF
NCOIC Technical Operations Branch

PAGE 3

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910192 DEHL SAMPLE NO: 91010997
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910226 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELNEMOORE/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|--------------------------|----------------|--------------|-------------------|
| Flash Point (closed cup) | 104 | degrees F | 1010 |
| Corrosivity | SINC | | 1110 |
| Arsenic | <0.5 | mg/L | 3020/7060 |
| Barium | <10.0 | mg/L | 3010/7080 |
| Cadmium | <0.1 | mg/L | 3010/7130 |
| Chromium | <0.5 | mg/L | 3010/7190 |
| Lead | <0.5 | mg/L | 3010/7420 |
| Mercury | <0.02 | mg/L | 7470 |
| Selenium | <0.1 | mg/L | 3020/7740 |
| Silver | <0.5 | mg/L | 3010/7760 |
| Hydrogen ion (pH) | 9.0 | | 1110 |
| Cyanide (total) | <2.0 | | SW 846 SEC 8.3 |
| Sulfides | <10.0 | mg/L | SW 846 SEC 8.3 |
| Benzene | <5.0 | mg/L | |
| Carbon Tetrachloride | <5.0 | mg/L | |
| Chlordane | NP | mg/L | |
| Chlorobenzene | <10.0 | mg/L | |
| Chloroform | <5.0 | mg/L | |
| m-Cresol | <20. | mg/L | |
| o-Cresol | <20. | mg/L | |
| p-Cresol | <20 | mg/L | |
| 1,4-Dichlorobenzene | <10.0 | mg/L | |
| 1,2-Dichloroethane | <5.0 | mg/L | |
| 1,1-Dichloroethene | <5.0 | mg/L | |
| 2,4-D | NP | mg/L | |
| 2,4-Dinitrotoluene | <10.0 | mg/L | |
| Endrin | NP | mg/L | |
| Heptachlor | NP | mg/L | |

TO:

AL/OEBE
BROOKS AFB TX 78235-5000

PAGE 1 (Cont'd)

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910182 OEHL SAMPLE NO: 91010997
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910226 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|-----------------------|----------------|--------------|-------------------|
| Hexachlorobenzene | <10.0 | mg/L | |
| Hexachlorobutadiene | <10.0 | mg/L | |
| Hexachloroethane | <10.0 | mg/L | |
| Lindane | NP | mg/L | |
| Methoxychlor | NP | mg/L | |
| Methyl Ethyl Ketone | <100 | mg/L | |
| Nitrobenzene | <10.0 | mg/L | |
| Pentachlorophenol | <10.0 | mg/L | |
| Pyridine | <10.0 | mg/L | |
| Toxaphene | NP | mg/L | |
| Vinyl Chloride | <10.0 | mg/L | |
| Trichloroethylene | <5.0 | mg/L | |
| Tetrachloroethylene | 720 | mg/L | |
| 2,4,5-Trichlorophenol | <40. | mg/L | |
| 2,4,6-Trichlorophenol | <10.0 | mg/L | |
| Silvex | NP | mg/L | |
| Major components | SN | | |

SINC : Sample is not corrosive.

NP : Test Not Performed

SN : See comment.

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910182 OEHL SAMPLE NO: 91010997
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910226 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|-------------|----------------|--------------|-------------------|
|-------------|----------------|--------------|-------------------|

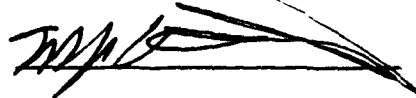
Comments:

SAMPLE 1S (TOP 5%) 93% MIXED POLYMERS AND 7% WATER. (BOTTOM 95%) 86% DIETHYLENE GLYCOL, 12% WATER AND 2% POLYALKYLENE ETHERS (BRAKE FLUID).

< - Signifies none detected and the detection limits.

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:



Michael J. Wantland, MSgt, USAF
NCOIC Technical Operations Branch

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GC910183 OEHL SAMPLE NO: 91010998
SAMPLE TYPE: UNCLASSIFIED
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910226 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|--------------------------|----------------|--------------|-------------------|
| Flash Point (closed cup) | 137 | degrees F | 1010 |
| Corrosivity | SINC | | 1110 |
| Arsenic | <0.5 | mg/L | 3020/7060 |
| Barium | <10.0 | mg/L | 3010/7080 |
| Cadmium | <0.1 | mg/L | 3010/7130 |
| Chromium | <0.5 | mg/L | 3010/7190 |
| Lead | <0.5 | mg/L | 3010/7420 |
| Mercury | 0.020 | mg/L | 7470 |
| Selenium | <0.1 | mg/L | 3020/7740 |
| Silver | <0.5 | mg/L | 3010/7760 |
| Hydrogen ion (pH) | 9.0 | | 1110 |
| Cyanide (total) | <2.0 | | SW 846 SEC 8.3 |
| Sulfides | <10.0 | mg/L | SW 846 SEC 8.3 |
| Benzene | 6.6 | mg/L | |
| Carbon Tetrachloride | <5.0 | mg/L | |
| Chlordane | NP | mg/L | |
| Chlorobenzene | <10.0 | mg/L | |
| Chloroform | <5.0 | mg/L | |
| m-Cresol | <20. | mg/L | |
| o-Cresol | <20. | mg/L | |
| p-Cresol | <20. | mg/L | |
| 1,4-Dichlorobenzene | <10.0 | mg/L | |
| 1,2-Dichloroethane | <5.0 | mg/L | |
| 1,1-Dichloroethene | <5.0 | mg/L | |
| 2,4-D | NP | mg/L | |
| 2,4-Dinitrotoluene | <10.0 | mg/L | |
| Endrin | NP | mg/L | |
| Heptachlor | NP | mg/L | |

TO:

AL/OEBE
BROOKS AFB TX 78235-5000

PAGE 1(Cont'd)

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GC910183 OEHL SAMPLE NO: 91010998
SAMPLE TYPE: UNCLASSIFIED
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910226 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|-----------------------|----------------|--------------|-------------------|
| Hexachlorobenzene | <10.0 | mg/L | |
| Hexachlorobutadiene | <10.0 | mg/L | |
| Hexachloroethane | <10.0 | mg/L | |
| Lindane | NP | mg/L | |
| Methoxychlor | NP | mg/L | |
| Methyl Ethyl Ketone | <100 | mg/L | |
| Nitrobenzene | <10.0 | mg/L | |
| Pentachlorophenol | <10.0 | mg/L | |
| Pyridine | <10.0 | mg/L | |
| Toxaphene | NP | mg/L | |
| Vinyl Chloride | <5.0 | mg/L | |
| Trichloroethylene | <5.0 | mg/L | |
| Tetrachloroethylene | <5.0 | mg/L | |
| 2,4,5-Trichlorophenol | <40. | mg/L | |
| 2,4,6-Trichlorophenol | <10.0 | mg/L | |
| Silvex | NP | mg/L | |
| Major components | SN | | |

SINC : Sample is not corrosive.

NP : Test Not Performed

SN : See comment.

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GC910183 DEHL SAMPLE NO: 91010998
SAMPLE TYPE: UNCLASSIFIED
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910226 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HCSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|-------------|----------------|--------------|-------------------|
|-------------|----------------|--------------|-------------------|

Comments:

SAMPLE IS (TOP 95%) >99% PETROLEUM OIL (MOTOR). (BOTTOM 5%) 100%
WATER.

< - Signifies none detected and the detection limits.

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:



Michael J. Wantland, MSgt, USAF
NCOIC Technical Operations Branch

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910184 OEHL SAMPLE NO: 91010999
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910226 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|--------------------------|----------------|--------------|-------------------|
| Flash Point (closed cup) | 100 | degrees F | 1010 |
| Corrosivity | SINC | | 1110 |
| Arsenic | <0.5 | mg/L | 3020/7060 |
| Barium | <10.0 | mg/L | 3010/7080 |
| Cadmium | <0.1 | mg/L | 3010/7130 |
| Chromium | <0.5 | mg/L | 3010/7190 |
| Lead | <0.5 | mg/L | 3010/7420 |
| Mercury | <0.02 | mg/L | 7470 |
| Selenium | <0.1 | mg/L | 3020/7740 |
| Silver | <0.5 | mg/L | 3010/7760 |
| Hydrogen ion (pH) | 9.0 | | 1110 |
| Cyanide (total) | <2.0 | | SW 846 SEC 8.3 |
| Sulfides | <10.0 | mg/L | SW 846 SEC 8.3 |
| Benzene | <5.0 | mg/L | |
| Carbon Tetrachloride | <5.0 | mg/L | |
| Chlordane | NP | mg/L | |
| Chlorobenzene | <10.0 | mg/L | |
| Chloroform | <5.0 | mg/L | |
| m-Cresol | <20. | mg/L | |
| o-Cresol | <20. | mg/L | |
| p-Cresol | <20. | mg/L | |
| 1,4-Dichlorobenzene | <10.0 | mg/L | |
| 1,2-Dichloroethane | <5.0 | mg/L | |
| 1,1-Dichloroethene | <5.0 | mg/L | |
| 2,4-D | NP | mg/L | |
| 2,4-Dinitrotoluene | <10.0 | mg/L | |
| Endrin | NP | mg/L | |
| Heptachlor | NP | mg/L | |

TD:

AL/OEBE
BROOKS AFB TX 78235-5000

PAGE 1 (Cont'd)

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910184 OEHL SAMPLE NO: 91010999
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910226 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|-----------------------|----------------|--------------|-------------------|
| Hexachlorobenzene | <10.0 | mg/L | |
| Hexachlorobutadiene | <10.0 | mg/L | |
| Hexachloroethane | <10.0 | mg/L | |
| Lindane | NP | mg/L | |
| Methoxychlor | NP | mg/L | |
| Methyl Ethyl Ketone | <100 | mg/L | |
| Nitrobenzene | <10.0 | mg/L | |
| Pentachlorophenol | <10.0 | mg/L | |
| Pyridine | <10.0 | mg/L | |
| Toxaphene | NP | mg/L | |
| Vinyl Chloride | <10.0 | mg/L | |
| Trichloroethylene | <5.0 | mg/L | |
| Tetrachloroethylene | <5.0 | mg/L | |
| 2,4,5-Trichlorophenol | <40. | mg/L | |
| 2,4,6-Trichlorophenol | <10.0 | mg/L | |
| Silvex | NP | mg/L | |
| Major components | SN | | |

SINC : Sample is not corrosive.

NP : Test Not Performed

SN : See comment.

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910184 DEHL SAMPLE NO: 91010999
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/ DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910226 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|-------------|----------------|--------------|-------------------|
|-------------|----------------|--------------|-------------------|

Comments:

SAMPLE IS (TOP 20%) >99% PETROLEUM OIL (MOTOR). (BOTTOM 80%) 84%
DIETHYL ETHER (BRAKE FLUID) AND 11% WATER.
< - Signifies none detected and the detection limits.

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by: 

Michael J. Wantland, MSgt, USAF
NCOIC Technical Operations Branch

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910185 OEHL SAMPLE NO: 91011000
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910226 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|--------------------------|----------------|--------------|-------------------|
| Flash Point (closed cup) | >200 | degrees F | 1010 |
| Corrosivity | SINC | | 1110 |
| Arsenic | <0.5 | mg/L | 3020/7060 |
| Barium | <10.0 | mg/L | 3010/7080 |
| Cadmium | <0.1 | mg/L | 3010/7130 |
| Chromium | <0.5 | mg/L | 3010/7190 |
| Lead | <0.5 | mg/L | 3010/7420 |
| Selenium | <0.1 | mg/L | 3020/7740 |
| Mercury | <0.02 | mg/L | 7470 |
| Silver | <0.5 | mg/L | 3010/7760 |
| Hydrogen ion (pH) | 8.0 | | 1110 |
| Cyanide (total) | <2.0 | | SW 846 SEC 8.3 |
| Sulfides | <10.0 | mg/L | SW 846 SEC 8.3 |
| Major components | SN | | |

SINC : Sample is not corrosive.

SN : See comment.

Comments:

SAMPLE IS >99% ETHYLENE GLYCOL.

< - Signifies none detected and the detection limits.

TO:

AL/OEBE
BROOKS AFB TX 78235-5000

PAGE 1 (Cont'd)

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910185 OEHL SAMPLE NO: 91011000
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910226 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|-------------|----------------|--------------|-------------------|
|-------------|----------------|--------------|-------------------|

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:



Michael J. Wantland, MSgt, USAF
NCOIC Technical Operations Branch

PAGE 2

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910186 OEHL SAMPLE NO: 91011001
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910226 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|--------------------------|----------------|--------------|-------------------|
| Flash Point (closed cup) | >200 | degrees F | 1010 |
| Corrosivity | SINC | | 1110 |
| Arsenic | <0.5 | mg/L | 3020/7060 |
| Barium | <10.0 | mg/L | 3010/7080 |
| Cadmium | <0.1 | mg/L | 3010/7130 |
| Chromium | <0.5 | mg/L | 3010/7190 |
| Lead | <0.5 | mg/L | 3010/7420 |
| Mercury | <0.02 | mg/L | 7470 |
| Selenium | <0.1 | mg/L | 3020/7740 |
| Silver | <0.5 | mg/L | 3010/7760 |
| Hydrogen ion (pH) | 8.0 | | 1110 |
| Cyanide (total) | <2.0 | | SW 846 SEC 8.3 |
| Sulfides | <10.0 | mg/L | SW 846 SEC 8.3 |
| Major components | SN | | |

SINC : Sample is not corrosive.

SN : See comment.

Comments:

SAMPLE IS (TOP 95%) >99% PETROLEUM HYDROCARBONS (LIGHT OIL). (BOTTOM 5%) 100% WATER.

< - Signifies none detected and the detection limits.

TO:

AL/OEBE
BROOKS AFB TX 78235-5000

PAGE 1 (Cont'd)

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910186 OEHL SAMPLE NO: 91011001
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910226 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENTHOFF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|-------------|----------------|--------------|-------------------|
|-------------|----------------|--------------|-------------------|

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:



Michael J. Wantland, MSgt, USAF
NEDIC Technical Operations Branch

PAGE 2

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910187 OEHL SAMPLE NO: 91011002
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910226 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|--------------------------|----------------|--------------|-------------------|
| Total organic halides | 0.07 | % | |
| Flash Point (closed cup) | 150 | degrees F | 1010 |
| Aroclor 1016 | <1.0 | mg/kg | |
| Aroclor 1221 | <1.0 | mg/kg | |
| Aroclor 1232 | <1.0 | mg/kg | |
| Aroclor 1242 | <1.0 | mg/kg | |
| Aroclor 1248 | <1.0 | mg/kg | |
| Aroclor 1254 | <1.0 | mg/kg | |
| Aroclor 1260 | <1.0 | mg/kg | |
| Arsenic | <0.02 | mg/L | 3020/7060 |
| Cadmium | 1.9 | mg/L | 3010/7130 |
| Chromium | <0.25 | mg/L | 3010/7190 |
| Lead | 4.6 | mg/L | 3010/7420 |
| Major components | SN | | |

SN : See comment.

Comments:

SAMPLE IS >99% PETROLEUM HYDROCARBONS (LIGHT LUBE OIL).
< - Signifies none detected and the detection limits.

TO:

AL/OEHE
BROOKS AFB TX 78235-5000

PAGE 1 (Cont'd)

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS


BASE SAMPLE NO: GT910187 OEHL SAMPLE NO: 91011002
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910226 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|-------------|----------------|--------------|-------------------|
|-------------|----------------|--------------|-------------------|

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:


Michael J. Wantland, MSgt, USAF
NCOIC Technical Operations Branch

PAGE 2

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910188 OEHL SAMPLE NO: 91011003
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910226 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|--------------------------|----------------|--------------|-------------------|
| Total organic halides | .99 | % | |
| Flash Point (closed cup) | >200 | degrees F | 1010 |
| Aroclor 1016 | <1.0 | mg/kg | |
| Aroclor 1221 | <1.0 | mg/kg | |
| Aroclor 1232 | <1.0 | mg/kg | |
| Aroclor 1242 | <1.0 | mg/kg | |
| Aroclor 1248 | <1.0 | mg/kg | |
| Aroclor 1254 | <1.0 | mg/kg | |
| Aroclor 1260 | <1.0 | mg/kg | |
| Arsenic | <0.02 | mg/L | 3020/7060 |
| Cadmium | 0.60 | mg/L | 3010/7130 |
| Chromium | 1.6 | mg/L | 3010/7190 |
| Lead | 20 | mg/L | 3010/7420 |
| Major components | SN | | |

SN : See comment.

Comments:

SAMPLE IS >99% PETROLEUM HYDROCARBONS (MOTOR OIL).
< - Signifies none detected and the detection limits.

TO:

AL/OEHE
BROOKS AFB TX 78235-5000

122

PAGE 1 (Cont'd)

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

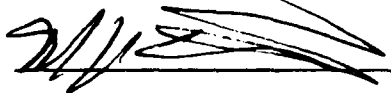
BASE SAMPLE NO: GT910188 OEHL SAMPLE NO: 91011003
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910226 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HCSP ELMEHDOFF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|-------------|----------------|--------------|-------------------|
|-------------|----------------|--------------|-------------------|

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:



Michael J. Wantland, MSgt, USAF
NCOIC Technical Operations Branch

PAGE 2

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910189 OEHL SAMPLE NO: 91011004
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910226 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|--------------------------|----------------|--------------|-------------------|
| Flash Point (closed cup) | >200 | degrees F | 1010 |
| Corrosivity | SINC | | 1110 |
| Arsenic | <0.5 | mg/L | 3020/7060 |
| Barium | <10.0 | mg/L | 3010/7080 |
| Cadmium | <0.1 | mg/L | 3010/7130 |
| Chromium | <0.5 | mg/L | 3010/7190 |
| Lead | 2.8 | mg/L | 3010/7420 |
| Mercury | <0.02 | mg/L | 7470 |
| Selenium | <0.1 | mg/L | 3020/7740 |
| Silver | <0.5 | mg/L | 3010/7760 |
| Hydrogen ion (pH) | 8.0 | | 1110 |
| Cyanide (total) | <2.0 | | SW 846 SEC 8.3 |
| Sulfides | <10.0 | mg/L | SW 846 SEC 8.3 |
| Benzene | <5.0 | mg/L | |
| Carbon Tetrachloride | <5.0 | mg/L | |
| Chlordane | NP | mg/L | |
| Chlorobenzene | <10.0 | mg/L | |
| Chloroform | <5.0 | mg/L | |
| m-Cresol | <20. | mg/L | |
| o-Cresol | <20. | mg/L | |
| p-Cresol | <20. | mg/L | |
| 1,4-Dichlorobenzene | <10.0 | mg/L | |
| 1,2-Dichloroethane | <5.0 | mg/L | |
| 1,1-Dichloroethene | <5.0 | mg/L | |
| 2,4-D | NP | mg/L | |
| 2,4-Dinitrotoluene | <10.0 | mg/L | |
| Endrin | NP | mg/L | |
| Heptachlor | NP | mg/L | |

TO:

AL/DEBE
BROOKS AFB TX 78235-5000

PAGE 1 (Cont'd)

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910189 DEHL SAMPLE NO: 91011904
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910226 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HDSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|-----------------------|----------------|--------------|-------------------|
| Hexachlorobenzene | <10.0 | mg/L | |
| Hexachlorobutadiene | <10.0 | mg/L | |
| Hexachloroethane | <10.0 | mg/L | |
| Lindane | NP | mg/L | |
| Methoxychlor | NP | mg/L | |
| Methyl Ethyl Ketone | <20. | mg/L | |
| Nitrobenzene | <10.0 | mg/L | |
| Pentachlorophenol | <10.0 | mg/L | |
| Pyridine | <10.0 | mg/L | |
| Toxaphene | NP | mg/L | |
| Vinyl Chloride | <10.0 | mg/L | |
| Trichloroethylene | <5.0 | mg/L | |
| Tetrachloroethylene | 7.2 | mg/L | |
| 2,4,5-Trichlorophenol | <40. | mg/L | |
| 2,4,6-Trichlorophenol | <10.0 | mg/L | |
| Silvex | NP | mg/L | |
| Major components | SN | | |

SINC : Sample is not corrosive.

NP : Test Not Performed

SN : See comment.

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910189 OEHL SAMPLE NO: 91011004
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910226 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|-------------|----------------|--------------|-------------------|
|-------------|----------------|--------------|-------------------|

Comments:

SAMPLE IS (TOP 3%) >99% PETROLEUM OIL (MOTOR). (BOTTOM 97%) 81%
ETHYLENE GLYCOL AND 19% WATER.

< - Signifies none detected and the detection limits.

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by: 

Michael J. Wentland, MSgt, USAF
NCOIC Technical Operations Branch

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910190 OEHL SAMPLE NO: 91011005
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910226 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|----------------------|----------------|--------------|-------------------|
| Arsenic | NP | mg/L | 3020/7060 |
| Barium | NP | mg/L | 3010/7080 |
| Benzene | NP | mg/L | |
| Cadmium | NP | mg/L | 3010/7130 |
| Carbon Tetrachloride | NP | mg/L | |
| Chlordane | NP | mg/L | |
| Chlorobenzene | NP | mg/L | |
| Chloroform | NP | mg/L | |
| Chromium | NP | mg/L | 3010/7190 |
| m-Cresol | NP | mg/L | |
| o-Cresol | NP | mg/L | |
| p-Cresol | NP | mg/L | |
| 1,4-Dichlorobenzene | NP | mg/L | |
| 1,2-Dichloroethane | NP | mg/L | |
| 1,1-Dichloroethene | NP | mg/L | |
| 2,4-D | NP | mg/L | |
| 2,4-Dinitrotoluene | NP | mg/L | |
| Endrin | NP | mg/L | |
| Heptachlor | NP | mg/L | |
| Hexachlorobenzene | NP | mg/L | |
| Hexachlorobutadiene | NP | mg/L | |
| Hexachloroethane | NP | mg/L | |
| Lead | NP | mg/L | 3010/7420 |
| Lindane | NP | mg/L | |
| Mercury | NP | mg/L | 7470 |
| Methoxychlor | NP | mg/L | |
| Methyl Ethyl Ketone | NP | mg/L | |
| Nitrobenzene | NP | mg/L | |

TO:

AL/OEHE
BROOKS AFB TX 78235-5000

PAGE 1 (Continued)

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910190 DEHL SAMPLE NO: 91011005
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910226 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|-----------------------|----------------|--------------|-------------------|
| Pentachlorophenol | NP | mg/L | |
| Pyridine | NP | mg/L | |
| Selenium | NP | mg/L | 3020/7740 |
| Silver | NP | mg/L | 3010/7760 |
| Toxaphene | NP | mg/L | |
| Vinyl Chloride | NP | mg/L | |
| Trichloroethylene | NP | mg/L | |
| Tetrachloroethylene | NP | mg/L | |
| 2,4,5-Trichlorophenol | NP | mg/L | |
| 2,4,6-Trichlorophenol | NP | mg/L | |
| Silvex | NP | mg/L | |
| Major components | SN | | |

NP : Test Not Performed

SN : See comment.

Comments:

SAMPLE IS (TOP 80%) >99% LIGHT PETROLEUM SPIRITS (DEGREASER).
(BOTTOM 20%) 95% WATER AND 5% LIGHT PETROLEUM SPIRITS.

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS. 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910190 OEHL SAMPLE NO: 91011005
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910226 DATE REPORTED: 910531
 DATE REPRINTED: 910729
SAMPLE SUBMITTED BY: 11TH AFMC/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> |
|----------------------|----------------|--------------|
| Selenium | <0.1 | mg/L |
| Arsenic | <0.5 | mg/L |
| Chlordane | NP | mg/L |
| Barium | <10.0 | mg/L |
| Benzene | 410 | mg/L |
| Cadmium | 0.4 | mg/L |
| m-Cresol | NP | mg/L |
| Chromium | <0.5 | mg/L |
| 1,1-Dichloroethene | <1.6 | mg/L |
| 2,4-D | NP | mg/L |
| Endrin | NP | mg/L |
| Heptachlor | NP | mg/L |
| Lead | 2.0 | mg/L |
| 2,4-Dinitrotoluene | <.10 | mg/L |
| Hexachlorobenzene | <.10 | mg/L |
| Hexachlorobutadiene | <.10 | mg/L |
| Hexachloroethane | <.10 | mg/L |
| Lindane | NP | mg/L |
| Methoxychlor | NP | mg/L |
| Pentachlorophenol | <.50 | mg/L |
| Toxaphene | NP | mg/L |
| Silvex | NP | mg/L |
| Silver | <0.5 | mg/L |
| Tetrachloroethylene | <1.6 | mg/L |
| Carbon Tetrachloride | <1.6 | mg/L |
| o-Cresol | 29 | mg/L |

TO:

AL/OEBE
BROOKS AFB TX 78235-5000

PAGE 1(Cont'd)

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910190 OEHL SAMPLE NO: 91011005
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910226 DATE REPORTED: 910531
 DATE REPRINTED: 910729
SAMPLE SUBMITTED BY: 11TH AFMC/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> |
|-----------------------|----------------|--------------|
| Chlorobenzene | <1.6 | mg/L |
| Chloroform | <1.6 | mg/L |
| 1,2-Dichloroethane | <1.6 | mg/L |
| Mercury | <0.02 | mg/L |
| Vinyl Chloride | <1.6 | mg/L |
| Trichloroethylene | <1.6 | mg/L |
| 1,4-Dichlorobenzene | <.10 | mg/L |
| Nitrobenzene | <.10 | mg/L |
| Puridine | <.10 | mg/L |
| 2,4,5-Trichlorophenol | <.10 | mg/L |
| 2,4,6-Trichlorophenol | <.10 | mg/L |
| p-Cresol | <.10 | mg/L |
| Methyl Ethyl Ketone | <20 | mg/L |
| Major components | SN | |

NP : Test Not Performed

SN : See comment.

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

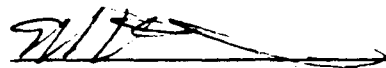
BASE SAMPLE NO: GT910190 DEHL SAMPLE NO: 91011005
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910226 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HCSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|-------------|----------------|--------------|-------------------|
|-------------|----------------|--------------|-------------------|

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:



Michael J. Wantland, MSgt, USAF
NCOIC Technical Operations Branch

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910191 OEHL SAMPLE NO: 91011006
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910226 DATE REPORTED: 910515
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> |
|-------------|----------------|--------------|
| Arsenic | <0.5 | mg/L |
| Barium | <10.0 | mg/L |
| Cadmium | <0.1 | mg/L |
| Chromium | <0.5 | mg/L |
| Lead | <0.5 | mg/L |
| Mercury | <0.02 | mg/L |
| Selenium | <0.1 | mg/L |
| Silver | <0.5 | mg/L |

Comments:

< - Signifies none detected and the detection limits.
All methods conform to those required by SW 846.

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:



Michael J. Wantland, MSgt, USAF
NCOIC Technical Operations Branch

TO:

Det 6 AL/EO
BROOKS AFB TX 78235-5000

PAGE 1

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910192 DEHL SAMPLE NO: 91011007
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910226 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF SGRB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|--------------------------|----------------|--------------|-------------------|
| Total organic halides | .06 | % | |
| Flash Point (closed cup) | 152 | degrees F | 1010 |
| Aroclor 1016 | <1.0 | mg/kg | |
| Aroclor 1221 | <1.0 | mg/kg | |
| Aroclor 1232 | <1.0 | mg/kg | |
| Aroclor 1242 | <1.0 | mg/kg | |
| Aroclor 1248 | <1.0 | mg/kg | |
| Aroclor 1254 | <1.0 | mg/kg | |
| Aroclor 1260 | <1.0 | mg/kg | |
| Arsenic | <0.02 | mg/L | 7020, 7060 |
| Cadmium | 0.25 | mg/L | 3010, 7170 |
| Chromium | <0.25 | mg/L | 3010, 7190 |
| Lead | 5.3 | mg/L | 3010, 7420 |
| Major components | SN | | |

SN : See comment.

Comments:

SAMPLE IS 99% PETROLEUM HYDROCARBONS (LIGHT LUBE OIL).
< - Signifies none detected and the detection limits.

TO:

HL DEBE
BROOKS AFB TX 78235-5000

PAGE 1 (Cont'd)

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

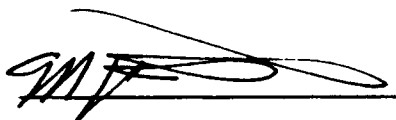
BASE SAMPLE NO: GT910192 OEHL SAMPLE NO: 91011007
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910226 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HDSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|-------------|----------------|--------------|-------------------|
|-------------|----------------|--------------|-------------------|

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:



Michael J. Wantland, MSgt, USAF
NCOIC Technical Operations Branch

PAGE 2

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910193 OEHL SAMPLE NO: 91011008
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910226 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|--------------------------|----------------|--------------|-------------------|
| Total organic halides | <0.03 | % | |
| Flash Point (closed cup) | 115 | degrees F | 1010 |
| Aroclor 1016 | <1.0 | mg/kg | |
| Aroclor 1221 | <1.0 | mg/kg | |
| Aroclor 1232 | <1.0 | mg/kg | |
| Aroclor 1242 | <1.0 | mg/kg | |
| Aroclor 1248 | <1.0 | mg/kg | |
| Aroclor 1254 | <1.0 | mg/kg | |
| Aroclor 1260 | <1.0 | mg/kg | |
| Arsenic | <0.02 | mg/L | 3020/7060 |
| Cadmium | <0.2 | mg/L | 3010/7130 |
| Chromium | <0.25 | mg/L | 3010/7190 |
| Lead | <0.25 | mg/L | 3010/7420 |
| Major components | SN | | |

SN : See comment.

Comments:

SAMPLE IS 99% PETROLEUM HYDROCARBONS (DEGREASER) AND 1% WATER.
< - Signifies none detected and the detection limits.

TD:

AL/OEBE
BROOKS AFB TX 78235-5000

PAGE 1 (Cont'd)

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

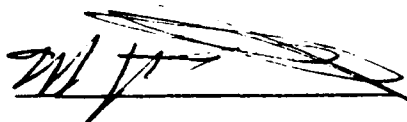
BASE SAMPLE NO: GT910193 OEHL SAMPLE NO: 91011008
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910226 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|-------------|----------------|--------------|-------------------|
|-------------|----------------|--------------|-------------------|

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:



Michael J. Wantland, MSgt, USAF
NCOIC Technical Operations Branch

PAGE 2

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910194 GEHL SAMPLE NO: 91011009
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910226 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|--------------------------|----------------|--------------|-------------------|
| Flash Point (closed cup) | 176 | degrees F | 1010 |
| Corrosivity | SINC | | 1110 |
| Arsenic | <0.5 | mg/L | 3020/2060 |
| Barium | <10.0 | mg/L | 3010/2080 |
| Cadmium | <0.1 | mg/L | 3010/2130 |
| Chromium | <0.5 | mg/L | 3010/2190 |
| Lead | <0.5 | mg/L | 3010/2420 |
| Mercury | <0.02 | mg/L | 7470 |
| Selenium | <0.1 | mg/L | 3020/2740 |
| Silver | <0.5 | mg/L | 3010/2760 |
| Hydrogen ion (pH) | 7.0 | | 1110 |
| Cyanide (total) | <2.0 | | SM 846 SEC 8.3 |
| Sulfides | <10.0 | mg/L | SM 846 SEC 8.3 |
| Benzene | 2400 | mg/L | |
| Carbon Tetrachloride | <5.0 | mg/L | |
| Chlordane | NP | mg/L | |
| Chlorobenzene | <10.0 | mg/L | |
| Chloroform | <5.0 | mg/L | |
| m-Cresol | <20. | mg/L | |
| o-Cresol | <20. | mg/L | |
| p-Cresol | <20. | mg/L | |
| 1,4-Dichlorobenzene | <10.0 | mg/L | |
| 1,2-Dichloroethane | <5.0 | mg/L | |
| 1,1-Dichloroethene | <5.0 | mg/L | |
| 2,4-D | NP | mg/L | |
| 2,4-Dinitrotoluene | <10.0 | mg/L | |
| Endrin | NP | mg/L | |
| Heptachlor | NP | mg/L | |

TD:

AL/DEBE
BROOKS AFB TX 78235-5000

PAGE 1 (Cont'd)

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910194 OEHL SAMPLE NO: 91011009
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910226 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|-----------------------|----------------|--------------|-------------------|
| Hexachlorobenzene | <10.0 | mg/L | |
| Hexachlorobutadiene | <10.0 | mg/L | |
| Hexachloroethane | <10.0 | mg/L | |
| Lindane | NP | mg/L | |
| Methoxychlor | NP | mg/L | |
| Methyl Ethyl Ketone | <100 | mg/L | |
| Nitrobenzene | <10.0 | mg/L | |
| Pentachlorophenol | <10.0 | mg/L | |
| Pyridine | <10.0 | mg/L | |
| Toxaphene | NP | mg/L | |
| Vinyl Chloride | <10.0 | mg/L | |
| Trichloroethylene | <5.0 | mg/L | |
| Tetrachloroethylene | <5.0 | mg/L | |
| 2,4,5-Trichlorophenol | <40. | mg/L | |
| 2,4,6-Trichlorophenol | <10.0 | mg/L | |
| Silvex | NP | mg/L | |
| Major components | SN | | |

SINC : Sample is not corrosive.

NP : Test Not Performed

SN : See comment.

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910194 DEHL SAMPLE NO: 91011009
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910226 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEENDORF MSGPS

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|-------------|----------------|--------------|-------------------|
|-------------|----------------|--------------|-------------------|

Comments:

SAMPLE IS (TOP 95%) 99% LIGHT PETROLEUM SPIRITS (DEGREASER).
(BOTTOM 5%) 100% WATER.

- Signifies none detected and the detection limits.

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by: 

Michael J. Wantland, MSgt, USAF
NCOIC Technical Operations Branch

PAGE 3

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910195 OEHL SAMPLE NO: 91011010
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910226 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|--------------------------|----------------|--------------|-------------------|
| Flash Point (closed cup) | 90 | degrees F | 1010 |
| Corrosivity | SINC | | 1110 |
| Arsenic | <0.5 | mg/L | 3020/7060 |
| Barium | <10.0 | mg/L | 3010/7080 |
| Cadmium | <0.1 | mg/L | 3010/7130 |
| Chromium | <0.5 | mg/L | 3010/7190 |
| Lead | <0.5 | mg/L | 3010/7420 |
| Mercury | <0.02 | mg/L | 7470 |
| Selenium | <0.1 | mg/L | 3020/7740 |
| Silver | <0.5 | mg/L | 3010/7760 |
| Hydrogen ion (pH) | 6.0 | | 1110 |
| Cyanide (total) | <2.0 | | SW 846 SEC 8.3 |
| Sulfides | <10.0 | mg/L | SW 846 SEC 8.3 |
| Benzene | <0.05 | mg/L | |
| Carbon Tetrachloride | <0.05 | mg/L | |
| Chlordane | NP | mg/L | |
| Chlorobenzene | <10.0 | mg/L | |
| Chloroform | <0.5 | mg/L | |
| m-Cresol | <20. | mg/L | |
| o-Cresol | <20. | mg/L | |
| p-Cresol | <20. | mg/L | |
| 1,4-Dichlorobenzene | <10.0 | mg/L | |
| 1,2-Dichloroethane | <0.05 | mg/L | |
| 1,1-Dichloroethene | <0.05 | mg/L | |
| 2,4-D | NP | mg/L | |
| 2,4-Dinitrotoluene | <10.0 | mg/L | |
| Endrin | NP | mg/L | |
| Heptachlor | NP | mg/L | |

TO:

AL/OEBE
BROOKS AFB TX 78235-5000

PAGE 1 (Cont'd)

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910195 DEHL SAMPLE NO: 91011010
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910226 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|-----------------------|----------------|--------------|-------------------|
| Hexachlorobenzene | <10.0 | mg/L | |
| Hexachlorobutadiene | <10.0 | mg/L | |
| Hexachloroethane | <10.0 | mg/L | |
| Lindane | NP | mg/L | |
| Methoxychlor | NP | mg/L | |
| Methyl Ethyl Ketone | <20. | mg/L | |
| Nitrobenzene | <10.0 | mg/L | |
| Pentachlorophenol | <10.0 | mg/L | |
| Pyridine | <10.0 | mg/L | |
| Toxaphene | NP | mg/L | |
| Vinyl Chloride | <0.02 | mg/L | |
| Trichloroethylene | <0.05 | mg/L | |
| Tetrachloroethylene | <0.05 | mg/L | |
| 2,4,6-Trichlorophenol | <40. | mg/L | |
| 2,4,6-Trichlorophenol | <10.0 | mg/L | |
| Silvex | NP | mg/L | |
| Major components | SN | | |

SINC : Sample is not corrosive.

NP : Test Not Performed

SN : See comment.

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910195 OEHL SAMPLE NO: 91011010
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910226 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|-------------|----------------|--------------|-------------------|
|-------------|----------------|--------------|-------------------|

Comments:

SAMPLE IS (TOP 80%) >99% LIGHT PETROLEUM SPIRITS (DEGREASER).
(BOTTOM 20%) 87% WATER AND 13% LIGHT PETROLEUM (DEGREASER).
< - Signifies none detected and the detection limits.

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:



Michael J. Wantland, MSgt, USAF
NCOIC Technical Operations Branch

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910196 OEHL SAMPLE NO: 91011011

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER: DATE RECEIVED: 910308

DATE COLLECTED: 910226 DATE REPORTED: 910531

 DATE REPRINTED: 910729

SAMPLE SUBMITTED BY: 11TH AFMC/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> |
|----------------------|----------------|--------------|
| Arsenic | <0.5 | mg/L |
| Barium | <10.0 | mg/L |
| Cadmium | <0.1 | mg/L |
| Chromium | <0.5 | mg/L |
| Lead | <0.5 | mg/L |
| Benzene | 13 | mg/L |
| Carbon Tetrachloride | <1.6 | mg/L |
| m-Cresol | <.10 | mg/L |
| o-Cresol | <.10 | mg/L |
| 1,4-Dichlorobenzene | <.10 | mg/L |
| Nitrobenzene | <.10 | mg/L |
| Pentachlorophenol | <.50 | mg/L |
| Puridine | <.10 | mg/L |
| Methyl Ethyl Ketone | <20 | mg/L |
| Mercury | <0.02 | mg/L |
| Selenium | <0.1 | mg/L |
| Silver | <0.5 | mg/L |
| Chlorobenzene | <1.6 | mg/L |
| Chloroform | <1.6 | mg/L |
| o-Cresol | <.10 | mg/L |
| 2,4-Dinitrotoluene | <.10 | mg/L |
| 1,2-Dichloroethane | <1.6 | mg/L |
| 1,1-Dichloroethene | <1.6 | mg/L |
| Hexachlorobenzene | <.10 | mg/L |
| Hexachlorobutadiene | <.10 | mg/L |
| Hexachloroethane | <.10 | mg/L |

TO:

AL/OE8E
BROOKS AFB TX 78235-5000

PAGE 1 (Cont'd)

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910196 OEHL SAMPLE NO: 91011011
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910226 DATE REPORTED: 910531
 DATE REPRINTED: 910729
SAMPLE SUBMITTED BY: 11TH AFMC/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> |
|-----------------------|----------------|--------------|
| Vinyl Chloride | <1.6 | mg/L |
| Trichloroethylene | <1.6 | mg/L |
| Tetrachloroethylene | <1.6 | mg/L |
| 2,4,5-Trichlorophenol | <.10 | mg/L |
| 2,4,6-Trichlorophenol | <.10 | mg/L |
| Major components | SN | |

SN : See comment.

Comments:

SAMPLE IS (TOP 5%) >99% PETROLEUM HYDROCARBONS OIL (MOTOR). (BOTTOM 95%) 65% WATER, 29% ETHYLENE GLYCOL AND 6% PETROLEUM HYDROCARBONS. AMENDED REPORT TO REFLECT RESULTS FOR TCLP ANALYSIS.
< - Signifies none detected and the detection limits.
All methods conform to those required by SW 846.

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910196 DEHL SAMPLE NO: 91011011
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910226 DATE REPORTED: 910531
 DATE REPRINTED: 910729
SAMPLE SUBMITTED BY: 11TH AFMC/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> |
|-------------|----------------|--------------|
|-------------|----------------|--------------|

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by: 

Michael J. Wantland, MSot, USAF
NCOIC Technical Operations Branch

PAGE 3

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910196 OEHL SAMPLE NO: 91011011
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910226 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|----------------------|----------------|--------------|-------------------|
| Arsenic | NP | mg/L | 3020/7060 |
| Barium | NP | mg/L | 3010/7080 |
| Cadmium | NP | mg/L | 3010/7130 |
| Chromium | NP | mg/L | 3010/7190 |
| Lead | NP | mg/L | 3010/7420 |
| Mercury | NP | mg/L | 7470 |
| Selenium | NP | mg/L | 3020/7740 |
| Silver | NP | mg/L | 3010/7760 |
| Benzene | NP | mg/L | |
| Carbon Tetrachloride | NP | mg/L | |
| Chlorobenzene | NP | mg/L | |
| Chloroform | NP | mg/L | |
| m-Cresol | NP | mg/L | |
| o-Cresol | NP | mg/L | |
| p-Cresol | NP | mg/L | |
| 1,4-Dichlorobenzene | NP | mg/L | |
| 1,2-Dichloroethane | NP | mg/L | |
| 1,1-Dichloroethene | NP | mg/L | |
| 2,4-Dinitrotoluene | NP | mg/L | |
| Hexachlorobenzene | NP | mg/L | |
| Hexachlorobutadiene | NP | mg/L | |
| Hexachloroethane | NP | mg/L | |
| Methyl Ethyl Ketone | NP | mg/L | |
| Nitrobenzene | NP | mg/L | |
| Pentachlorophenol | NP | mg/L | |
| Pyridine | NP | mg/L | |
| Vinyl Chloride | NP | mg/L | |
| Trichloroethylene | NP | mg/L | |

TO:

AL/OEBE
BROOKS AFB TX 78235-5000

PAGE 1(Cont'd)

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910196 OEHL SAMPLE NO: 91011011
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910226 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|-----------------------|----------------|--------------|-------------------|
| Tetrachloroethylene | NP | mg/L | |
| 2,4,5-Trichlorophenol | NP | mg/L | |
| 2,4,6-Trichlorophenol | NP | mg/L | |
| Major components | SN | | |

NP : Test Not Performed

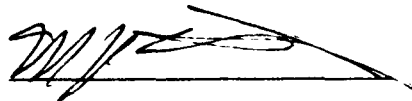
SN : See comment.

Comments:

SAMPLE IS (TOP 5%) >99% PETROLEUM HYDROCARBONS OIL (MOTOR). (BOTTOM 95%) 65% WATER, 29% ETHYLENE GLYCOL AND 6% PETROLEUM HYDROCARBONS.

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:



Michael J. Wantland, MSgt, USAF
NCOIC Technical Operations Branch

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910197 DEHL SAMPLE NO: 91011012
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/ DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910226 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|--------------------------|----------------|--------------|-------------------|
| Total organic halides | <0.03 | % | |
| Flash Point (closed cup) | >200 | degrees F | 1010 |
| Aroclor 1016 | <1.0 | mg/kg | |
| Aroclor 1221 | <1.0 | mg/kg | |
| Aroclor 1232 | <1.0 | mg/kg | |
| Aroclor 1242 | <1.0 | mg/kg | |
| Aroclor 1248 | <1.0 | mg/kg | |
| Aroclor 1254 | <1.0 | mg/kg | |
| Aroclor 1260 | <1.0 | mg/kg | |
| Arsenic | <0.02 | mg/L | 3020.7060 |
| Cadmium | 2.7 | mg/L | 3010.7130 |
| Chromium | 0.48 | mg/L | 3010.7190 |
| Lead | 5.1 | mg/L | 3010.7420 |
| Major components | SH | | |

SN : See comment.

Comments:

SAMPLE IS >99% PETROLEUM HYDROCARBONS (KEROSENE/JET FUEL) (LIGHT LUBE OIL).

< - Signifies none detected and the detection limits.

TD:

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910197 OEHL SAMPLE NO: 91011012
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910226 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGH HOSP ELMENDORF AFB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|-------------|----------------|--------------|-------------------|
|-------------|----------------|--------------|-------------------|

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:



Michael J. Wantland, MSgt, USAF
NCOIC Technical Operations Branch

PAGE 2

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910198 DEHL SAMPLE NO: 91011013
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910226 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|--------------------------|----------------|--------------|-------------------|
| Total organic halides | 0.04 | % | |
| Flash Point (closed cup) | 83 | degrees F | 1010 |
| Aroclor 1016 | <1.0 | mg/kg | |
| Aroclor 1221 | <1.0 | mg/kg | |
| Aroclor 1232 | <1.0 | mg/kg | |
| Aroclor 1242 | <1.0 | mg/kg | |
| Aroclor 1248 | <1.0 | mg/kg | |
| Aroclor 1254 | <1.0 | mg/kg | |
| Aroclor 1260 | <1.0 | mg/kg | |
| Arsenic | <0.02 | mg/L | 3020/7060 |
| Cadmium | 0.28 | mg/L | 3010/7130 |
| Chromium | <0.25 | mg/L | 3010/7190 |
| Lead | 3.2 | mg/L | 3010/7420 |
| Major components | SN | | |

SN : See comment.

Comments:

SAMPLE IS >99% PETROLEUM HYDROCARBONS (ALKANES).
< - Signifies none detected and the detection limits.

TO:

AL/OE/E
BROOKS AFB TX 78235-5000

150

PAGE 1 (Continued)

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910198 OEHL SAMPLE NO: 91011013
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910226 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|-------------|----------------|--------------|-------------------|
|-------------|----------------|--------------|-------------------|

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by: 

Michael J. Wantland, MSgt, USAF
NCOIC Technical Operations Branch

PAGE 2

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910199 DEHL SAMPLE NO: 91011014
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910226 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|--------------------------|----------------|--------------|-------------------|
| Total organic halides | 0.07 | % | |
| Flash Point (closed cup) | >200 | degrees F | 1010 |
| Aroclor 1016 | <1.0 | mg/kg | |
| Aroclor 1221 | <1.0 | mg/kg | |
| Aroclor 1232 | <1.0 | mg/kg | |
| Aroclor 1242 | <1.0 | mg/kg | |
| Aroclor 1248 | <1.0 | mg/kg | |
| Aroclor 1254 | <1.0 | mg/kg | |
| Aroclor 1260 | <1.0 | mg/kg | |
| Arsenic | <0.02 | mg/L | 3020/7060 |
| Cadmium | 0.48 | mg/L | 3010/7130 |
| Chromium | 1.0 | mg/L | 3010/7190 |
| Lead | 2.4 | mg/L | 3010/7420 |
| Major components | SN | | |

SN : See comment.

Comments:

SAMPLE IS (TOP 15%) >99% PETROLEUM HYDROCARBONS. (BOTTOM 85%) 100% WATER.

< - Signifies none detected and the detection limits.

TO:

AL/OEBE
BROOKS AFB TX 78235-5000

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910199 OEHL SAMPLE NO: 91011014
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910226 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|-------------|----------------|--------------|-------------------|
|-------------|----------------|--------------|-------------------|

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:



Michael J. Wantland, MSgt, USAF
NCOIC Technical Operations Branch

PAGE 2

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910200 DEHL SAMPLE NO: 91011015
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910226 DATE REPORTED: 910515
SAMPLE SUBMITTED BY: USAF RGN HDSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> |
|-------------|----------------|--------------|
| Arsenic | <0.5 | mg/L |
| Barium | <10.0 | mg/L |
| Cadmium | <0.1 | mg/L |
| Chromium | <0.5 | mg/L |
| Lead | <0.5 | mg/L |
| Mercury | <0.02 | mg/L |
| Selenium | <0.1 | mg/L |
| Silver | <0.5 | mg/L |

Comments:

< - Signifies none detected and the detection limits.
All methods conform to those required by SW 846.

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:



Michael J. Wantland, MSgt, USAF
NCOIC Technical Operations Branch

TO:

Det 6 AL/EO
BROOKS AFB TX 78235-5000

PAGE 1

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910201 OEHL SAMPLE NO: 91011016
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910226 DATE REPORTED: 910515
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> |
|-------------|----------------|--------------|
| Arsenic | <0.5 | mg/L |
| Barium | <10.0 | mg/L |
| Cadmium | <0.1 | mg/L |
| Chromium | <0.5 | mg/L |
| Lead | <0.5 | mg/L |
| Mercury | <0.02 | mg/L |
| Selenium | <0.1 | mg/L |
| Silver | <0.5 | mg/L |

Comments:

- Signifies none detected and the detection limits.
All methods conform to those required by SW 846.

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by: 

Michael J. Wantland, MSgt, USAF
NCOIC Technical Operations Branch

TO:

Det 6 AL/EQ
BROOKS AFB TX 78235-5000

PAGE 1

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910220 OEHL SAMPLE NO: 91011035
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910227 DATE REPORTED: 910515
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> |
|-------------|----------------|--------------|
| Arsenic | <0.5 | mg/L |
| Barium | <10.0 | mg/L |
| Cadmium | 12 | mg/L |
| Chromium | <0.5 | mg/L |
| Lead | <0.5 | mg/L |
| Mercury | <0.02 | mg/L |
| Selenium | <0.1 | mg/L |
| Silver | <0.5 | mg/L |

Comments:

< - Signifies none detected and the detection limits.
All methods conform to those required by SW 846.

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:



Michael J. Wantland, MSgt, USAF
NCOIC Technical Operations Branch

TO:

Det 6 AL/EQ
BROOKS AFB TX 78235-5000

PAGE 1

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GS910202 OEHL SAMPLE NO: 91011017
SAMPLE TYPE: SOIL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910226 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|--------------------------|----------------|--------------|-------------------|
| Flash Point (closed cup) | 150 | degrees F | 1010 |
| Corrosivity | SINC | | 1110 |
| Hydrogen ion (pH) | 7.0 | | 1110 |
| Cyanide (total) | <2.0 | | SW 846 SEC 8.3 |
| Sulfides | <10.0 | mg/L | SW 846 SEC 8.3 |
| Arsenic | <0.5 | mg/L | 3020/7060 |
| Barium | <10.0 | mg/L | 3010/7080 |
| Cadmium | <0.1 | mg/L | 3010/7130 |
| Chromium | <0.5 | mg/L | 3010/7190 |
| Lead | <0.5 | mg/L | 3010/7420 |
| Mercury | <0.02 | mg/L | 7470 |
| Selenium | <0.1 | mg/L | 3020/7740 |
| Silver | <0.5 | mg/L | 3010/7760 |
| Benzene | <5.0 | mg/L | |
| Carbon Tetrachloride | <5.0 | mg/L | |
| Chlordane | NP | mg/L | |
| Chlorobenzene | <10.0 | mg/L | |
| Chloroform | <5.0 | mg/L | |
| 1,4-Dichlorobenzene | <10.0 | mg/L | |
| 1,2-Dichloroethane | <5.0 | mg/L | |
| 1,1-Dichloroethene | <5.0 | mg/L | |
| 2,4-D | NP | mg/L | |
| 2,4-Dinitrotoluene | <10.0 | mg/L | |
| Endrin | NP | mg/L | |
| Heptachlor | NP | mg/L | |
| Hexachlorobenzene | <10.0 | mg/L | |
| Hexachlorobutadiene | <10.0 | mg/L | |
| Hexachloroethane | <10.0 | mg/L | |

TO:

AL/OEBE
BROOKS AFB TX 78235-5000

PAGE 1 (Cont'd)

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GS910202 OEHL SAMPLE NO: 91011017
SAMPLE TYPE: SOIL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910226 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|-----------------------|----------------|--------------|-------------------|
| Lindane | NP | mg/L | |
| Methoxychlor | NP | mg/L | |
| Nitrobenzene | <10.0 | mg/L | |
| Methyl Ethyl Ketone | <100 | mg/L | |
| Pentachlorophenol | <10.0 | mg/L | |
| m-Cresol | <20. | mg/L | |
| o-Cresol | <20. | mg/L | |
| p-Cresol | <20. | mg/L | |
| Pyridine | <10.0 | mg/L | |
| Toxaphene | NP | mg/L | |
| Vinyl Chloride | <10.0 | mg/L | |
| Trichloroethylene | <5.0 | mg/L | |
| Tetrachloroethylene | <5.0 | mg/L | |
| 2,4,5-Trichlorophenol | <40. | mg/L | |
| 2,4,6-Trichlorophenol | <10.0 | mg/L | |
| Silvex | NP | mg/L | |
| Major components | SN | | |

SINC : Sample is not corrosive.

NP : Test Not Performed

SN : See comment.

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GS910202 DEHL SAMPLE NO: 91011017
SAMPLE TYPE: SOIL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910226 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HDSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|-------------|----------------|--------------|-------------------|
|-------------|----------------|--------------|-------------------|

Comments:

SAMPLE IS (TOP 75%) >99% LIGHT PETROLEUM OIL. (BOTTOM 25%) 49%
WATER, 27% INORGANICS AND 24% HEAVY PETROLEUM GEL.
< - Signifies none detected and the detection limits.

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:



Michael J. Wantland, MSgt, USAF
NCOIC Technical Operations Branch

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910203 OEHL SAMPLE NO: 91011018
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910226 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|--------------------------|----------------|--------------|-------------------|
| Total organic halides | 0.08 | % | |
| Cadmium | 0.24 | mg/L | 3010/7130 |
| Flash Point (closed cup) | >200 | degrees F | 1010 |
| Aroclor 1016 | <5.0 | mg/kg | |
| Aroclor 1221 | <5.0 | mg/kg | |
| Aroclor 1232 | <5.0 | mg/kg | |
| Aroclor 1242 | <5.0 | mg/kg | |
| Aroclor 1248 | <5.0 | mg/kg | |
| Aroclor 1254 | <5.0 | mg/kg | |
| Aroclor 1260 | <5.0 | mg/kg | |
| Arsenic | <0.02 | mg/L | 3020/7060 |
| Chromium | <0.25 | mg/L | 3010/7190 |
| Lead | 1.1 | mg/L | 3010/7420 |
| Major components | SN | | |

SN : See comment.

Comments:

SAMPLE IS >99% PETROLEUM HYDROCARBONS (MOTOR OIL).
PCB SCREEN - MATRIX REQUIRED DILUTION.
< - Signifies none detected and the detection limits.

TO:

AL/OEHE
BROOKS AFB TX 78235-5000

160

PAGE 1 (Cont'd)

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910203 OEHL SAMPLE NO: 91011018
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910226 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|-------------|----------------|--------------|-------------------|
|-------------|----------------|--------------|-------------------|

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:



Michael J. Wantland, MSgt, USAF
NCOIC Technical Operations Branch

PAGE 2

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS. 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910204 OEHL SAMPLE NO: 91011019
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910226 DATE REPORTED: 910531
 DATE REPRINTED: 910729
SAMPLE SUBMITTED BY: 11TH AFMC/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> |
|---------------------|----------------|--------------|
| Arsenic | <0.5 | mg/L |
| Chlordane | NP | mg/L |
| Barium | <10.0 | mg/L |
| Benzene | 12.7 | mg/L |
| Cadmium | 0.24 | mg/L |
| 2,4-D | NP | mg/L |
| Endrin | NP | mg/L |
| Heptachlor | NP | mg/L |
| 2,4-Dinitrotoluene | <.10 | mg/L |
| Hexachlorobenzene | <.10 | mg/L |
| Hexachlorobutadiene | <.10 | mg/L |
| Hexachloroethane | <.10 | mg/L |
| Lead | 26.2 | mg/L |
| Lindane | NP | mg/L |
| Methoxychlor | NP | mg/L |
| Mercury | <.02 | mg/L |
| Nitrobenzene | <.10 | mg/L |
| Pentachlorophenol | <.50 | mg/L |
| Pyridine | <.10 | mg/L |
| Selenium | <.1 | mg/L |
| Methyl Ethyl Ketone | <20 | mg/L |
| Toxaphene | NP | mg/L |
| Silvex | NP | mg/L |
| Silver | <.5 | mg/L |
| Vinyl Chloride | <1.6 | mg/L |
| Trichloroethylene | <1.6 | mg/L |

TO:

AL/DEBE
BROOKS AFB TX 78235-5000

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB. TEXAS. 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910204 OEHL SAMPLE NO: 91011019
SAMPLE TYPE: WASTE. HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910226 DATE REPORTED: 910531
 DATE REPRINTED: 910729
SAMPLE SUBMITTED BY: 11TH AFMC/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> |
|-----------------------|----------------|--------------|
| Tetrachloroethylene | 1.2 | ma/L |
| 2,4,5-Trichlorophenol | <.10 | mg/L |
| 2,4,6-Trichlorophenol | <.10 | ma/L |
| Carbon Tetrachloride | <1.6 | mg/L |
| Chlorobenzene | <1.6 | mg/L |
| Chloroform | <1.6 | mg/L |
| Chromium | 0.56 | ma/L |
| m-Cresol | <.10 | mg/L |
| o-Cresol | <.10 | ma/L |
| p-Cresol | <.10 | mg/L |
| 1,4-Dichlorobenzene | <.10 | ma/L |
| 1,2-Dichloroethane | <1.6 | ma/L |
| 1,1-Dichloroethene | <1.6 | ma/L |
| Major components | SN | |

NP : Test Not Performed

SN : See comment.

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS. 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910204 OEHL SAMPLE NO: 91011019
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910226 DATE REPORTED: 910531
 DATE REPRINTED: 910729
SAMPLE SUBMITTED BY: 11TH AFMC/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> |
|-------------|----------------|--------------|
|-------------|----------------|--------------|

Comments:

SAMPLE IS (TOP 75%) >99% PETROLEUM HYDROCARBONS OIL (MOTOR). (BOTTOM 25%) 66% WATER, 33% ETHYLENE GLYCOL AND 1% PETROLEUM HYDROCARBONS. AMENDED REPORT TO REFLECT RESULTS FOR TCLP ANALYSIS.
< - Signifies none detected and the detection limits.
All methods conform to those required by SW 846.

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by: 

Michael J. Wantland, MSot, USAF
NCOIC Technical Operations Branch

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910204 OEHL SAMPLE NO: 91011019
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910226 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|----------------------|----------------|--------------|-------------------|
| Arsenic | NP | mg/L | 3020/7060 |
| Barium | NP | mg/L | 3010/7080 |
| Benzene | NP | mg/L | |
| Cadmium | NP | mg/L | 3010/7130 |
| Carbon Tetrachloride | NP | mg/L | |
| Chlordane | NP | mg/L | |
| Chlorobenzene | NP | mg/L | |
| Chloroform | NP | mg/L | |
| Chromium | NP | mg/L | 3010/7190 |
| m-Cresol | NP | mg/L | |
| o-Cresol | NP | mg/L | |
| p-Cresol | NP | mg/L | |
| 1,4-Dichlorobenzene | NP | mg/L | |
| 1,2-Dichloroethane | NP | mg/L | |
| 1,1-Dichloroethene | NP | mg/L | |
| 2,4-D | NP | mg/L | |
| 2,4-Dinitrotoluene | NP | mg/L | |
| Endrin | NP | mg/L | |
| Heptachlor | NP | mg/L | |
| Hexachlorobenzene | NP | mg/L | |
| Hexachlorobutadiene | NP | mg/L | |
| Hexachloroethane | NP | mg/L | |
| Lead | NP | mg/L | 3010/7420 |
| Lindane | NP | mg/L | |
| Mercury | NP | mg/L | 7470 |
| Methoxychlor | NP | mg/L | |
| Methyl Ethyl Ketone | NP | mg/L | |
| Nitrobenzene | NP | mg/L | |

TO:

AL/OEBE
BROOKS AFB TX 78235-5000

PAGE 1(Cont'd)

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910204 OEHL SAMPLE NO: 91011019
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910226 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|-----------------------|----------------|--------------|-------------------|
| Pentachlorophenol | NP | mg/L | |
| Pyridine | NP | mg/L | |
| Selenium | NP | mg/L | 3020/7740 |
| Silver | NP | mg/L | 3010/7760 |
| Toxaphene | NP | mg/L | |
| Vinyl Chloride | NP | mg/L | |
| Trichloroethylene | NP | mg/L | |
| Tetrachloroethylene | NP | mg/L | |
| 2,4,5-Trichlorophenol | NP | mg/L | |
| 2,4,6-Trichlorophenol | NP | mg/L | |
| Silvex | NP | mg/L | |
| Major components | SN | | |

NP : Test Not Performed

SN : See comment.

Comments:

SAMPLE IS (TOP 75%) >99% PETROLEUM HYDROCARBONS OIL (MOTOR). (BOTTOM 25%) 66% WATER, 33% ETHYLENE GLYCOL AND 1% PETROLEUM HYDROCARBONS.

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501


REPORT OF ANALYSIS

BASE SAMPLE NO: GT910204 OEHL SAMPLE NO: 91011019
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910708
DATE COLLECTED: 910226 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|-------------|----------------|--------------|-------------------|
|-------------|----------------|--------------|-------------------|

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by: 

Michael J. Wantland, Mgt, USAF
NCOIC Technical Operations Branch

PAGE 3

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910205 OEHL SAMPLE NO: 91011020
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910226 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|--------------------------|----------------|--------------|-------------------|
| Total organic halides | 0.19 | % | |
| Flash Point (closed cup) | >200 | degrees F | 1010 |
| Aroclor 1016 | <1.0 | mg/kg | |
| Aroclor 1221 | <1.0 | mg/kg | |
| Aroclor 1232 | <1.0 | mg/kg | |
| Aroclor 1242 | <1.0 | mg/kg | |
| Aroclor 1248 | <1.0 | mg/kg | |
| Aroclor 1254 | <1.0 | mg/kg | |
| Aroclor 1260 | <1.0 | mg/kg | |
| Arsenic | <0.02 | mg/L | 3020/7060 |
| Cadmium | 0.72 | mg/L | 3010/7130 |
| Chromium | 0.76 | mg/L | 3010/7190 |
| Lead | 42 | mg/L | 3010/7420 |
| Major components | SN | | |

SN : See comment.

Comments:

SAMPLE IS >99% PETROLEUM HYDROCARBONS (MOTOR OIL).
< - Signifies none detected and the detection limits.

TO:

AL/DEBE
BROOKS AFB TX 78235-5000

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

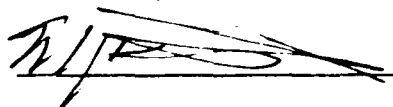
BASE SAMPLE NO: GT910205 OEHL SAMPLE NO: 91011020
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910226 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|-------------|----------------|--------------|-------------------|
|-------------|----------------|--------------|-------------------|

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:



Michael J. Wantland, MSgt, USAF
NCOIC Technical Operations Branch

PAGE 2

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910206 DEHL SAMPLE NO: 91011021
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910226 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|--------------------------|----------------|--------------|-------------------|
| Total organic halides | 0.14 | % | |
| Flash Point (closed cup) | >200 | degrees F | 1010 |
| Aroclor 1016 | <1.0 | mg/kg | |
| Aroclor 1221 | <1.0 | mg/kg | |
| Aroclor 1232 | <1.0 | mg/kg | |
| Aroclor 1242 | <1.0 | mg/kg | |
| Aroclor 1248 | <1.0 | mg/kg | |
| Aroclor 1254 | <1.0 | mg/kg | |
| Aroclor 1260 | <1.0 | mg/kg | |
| Arsenic | <0.02 | mg/L | 3020/7060 |
| Cadmium | 1.1 | mg/L | 3010/7130 |
| Chromium | 2.8 | mg/L | 3010/7190 |
| Lead | 59 | mg/L | 3010/7420 |
| Major components | SN | | |

SN : See comment.

Comments:

SAMPLE IS >99% PETROLEUM HYDROCARBONS (MOTOR OIL).
< - Signifies none detected and the detection limits.

TO:

AL/OEBE
BROOKS AFB TX 78235-5000

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

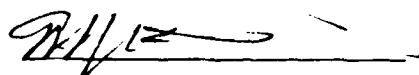
REPORT OF ANALYSIS

BASE SAMPLE NO: GT910206 DEHL SAMPLE NO: 91011021
SAMPLE TYPE: WASTE, HAZARDOUS TOXIC DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910226 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|-------------|----------------|--------------|-------------------|
|-------------|----------------|--------------|-------------------|

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by: 

Michael J. Wantland, MSgt, USAF
NCOIC Technical Operations Branch

PAGE 2

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910207 OEHL SAMPLE NO: 91011022
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910226 DATE REPORTED: 910531

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|--------------------------|----------------|--------------|-------------------|
| Total organic halides | .31 | % | |
| Flash Point (closed cup) | 170 | degrees F | 1010 |
| Aroclor 1016 | <5.0 | mg/kg | |
| Aroclor 1221 | <5.0 | mg/kg | |
| Aroclor 1232 | <5.0 | mg/kg | |
| Aroclor 1242 | <5.0 | mg/kg | |
| Aroclor 1248 | <5.0 | mg/kg | |
| Aroclor 1254 | <5.0 | mg/kg | |
| Aroclor 1260 | <5.0 | mg/kg | |
| Arsenic | <0.02 | mg/L | 3020/7060 |
| Cadmium | 2.5 | mg/L | 3010/7130 |
| Chromium | 2.9 | mg/L | 3010/7190 |
| Lead | 74 | mg/L | 3010/7420 |
| Major components | SH | | |

SH : See comment.

Comments:

SAMPLE IS 99% PETROLEUM HYDROCARBONS (MOTOR OIL) AND 1% WATER.
PCB SCREEN - MATRIX REQUIRED DILUTION.
< - Signifies none detected and the detection limits.

TO:

USAF RGN HOSP ELMENDORF HSPB
ELMENDORF AFB AK 99506-3200

172

PAGE 1 (Continued)

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910207 DEHL SAMPLE NO: 91011022
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910226 DATE REPORTED: 910531

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|-------------|----------------|--------------|-------------------|
|-------------|----------------|--------------|-------------------|

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by: 

Michael J. Wantland, MSgt, USAF
NCOIC Technical Operations Branch

PAGE 2

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910208 OEHL SAMPLE NO: 91011023
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910226 DATE REPORTED: 910531
 DATE REPRINTED: 910729
SAMPLE SUBMITTED BY: 11TH AFMC/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> |
|-----------------------|----------------|--------------|
| Nitrobenzene | <.10 | mg/L |
| Arsenic | <0.5 | mg/L |
| Chlordane | NP | mg/L |
| Barium | <10 | mg/L |
| Benzene | <1.6 | mg/L |
| 2,4-D | NP | mg/L |
| Endrin | NP | mg/L |
| Heptachlor | NP | mg/L |
| 2,4-Dinitrotoluene | <.10 | mg/L |
| Hexachlorobenzene | <.10 | mg/L |
| Hexachlorobutadiene | <.10 | mg/L |
| Hexachloroethane | <.10 | mg/L |
| Lead | <0.5 | mg/L |
| Lindane | NP | mg/L |
| Methoxychlor | NP | mg/L |
| Methyl Ethyl Ketone | <20 | mg/L |
| Toxaphene | NP | mg/L |
| Silvex | NP | mg/L |
| Silver | <0.5 | mg/L |
| Vinyl Chloride | <1.6 | mg/L |
| Trichloroethylene | <1.6 | mg/L |
| Tetrachloroethylene | <1.6 | mg/L |
| 2,4,5-Trichlorophenol | <.10 | mg/L |
| 2,4,6-Trichlorophenol | <.10 | mg/L |
| Cadmium | <0.1 | mg/L |
| Carbon Tetrachloride | <1.6 | mg/L |

TO:

AL/DEBE
BROOKS AFB TX 78235-5000

PAGE 1 (Cont'd)

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910208 OEHL SAMPLE NO: 91011023
SAMPLE TYPE: WASTE. HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910226 DATE REPORTED: 910531
DATE REPRINTED: 910729
SAMPLE SUBMITTED BY: 11TH AFMC/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> |
|---------------------|----------------|--------------|
| Chlorobenzene | <1.6 | mg/L |
| Chloroform | <1.6 | mg/L |
| Chromium | <0.5 | mg/L |
| m-Cresol | <.10 | mg/L |
| o-Cresol | <.10 | mg/L |
| p-Cresol | <.10 | mg/L |
| 1,4-Dichlorobenzene | <.10 | mg/L |
| 1,2-Dichloroethane | <1.6 | mg/L |
| 1,1-Dichloroethene | <1.6 | mg/L |
| Mercury | <0.02 | mg/L |
| Pentachlorophenol | <.50 | mg/L |
| Puridine | <.10 | mg/L |
| Selenium | <0.1 | mg/L |
| Major components | SN | |

NP : Test Not Performed

SN : See comment.

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910208 OEHL SAMPLE NO: 91011023
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910226 DATE REPORTED: 910531
 DATE REPRINTED: 910729
SAMPLE SUBMITTED BY: 11TH AFMC/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> |
|-------------|----------------|--------------|
|-------------|----------------|--------------|

Comments:

SAMPLE IS (TOP 95%) 98% WATER AND 2% PETROLEUM HYDROCARBONS. (BOTTOM 5%) 94% WATER AND 6% ORGANIC SOIL (HUMIS).
AMENDED REPORT TO REFLECT RESULTS FOR TCLP ANALYSIS.
< - Signifies none detected and the detection limits.
All methods conform to those required by SW 846.

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by: 

Michael J. Wantland, MSot, USAF
NCOIC Technical Operations Branch

PAGE 3

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910208 DEHL SAMPLE NO: 91011023
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910708
DATE COLLECTED: 910226 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELDMENDORF MSGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|----------------------|----------------|--------------|-------------------|
| Arsenic | NP | mg/L | 3020.7060 |
| Barium | NP | mg/L | 3010.7080 |
| Benzene | NP | mg/L | |
| Cadmium | NP | mg/L | 3010.7130 |
| Carbon Tetrachloride | NP | mg/L | |
| Chlordane | NP | mg/L | |
| Chlorobenzene | NP | mg/L | |
| Chloroform | NP | mg/L | |
| Chromium | NP | mg/L | 3010.7190 |
| m-Cresol | NP | mg/L | |
| o-Cresol | NP | mg/L | |
| p-Cresol | NP | mg/L | |
| 1,4-Dichlorobenzene | NP | mg/L | |
| 1,2-Dichloroethane | NP | mg/L | |
| 1,1-Dichloroethene | NP | mg/L | |
| 2,4-D | NP | mg/L | |
| 2,4-Dinitrotoluene | NP | mg/L | |
| Endrin | NP | mg/L | |
| Heptachlor | NP | mg/L | |
| Hexachlorobenzene | NP | mg/L | |
| Hexachlorobutadiene | NP | mg/L | |
| Hexachloroethane | NP | mg/L | |
| Lead | NP | mg/L | 3010.7420 |
| Lindane | NP | mg/L | |
| MercURY | NP | mg/L | 7470 |
| Methoxychlor | NP | mg/L | |
| Methyl Ethyl ketone | NP | mg/L | |
| Nitrobenzene | NP | mg/L | |

TD:

AL DESE
BROOKS AFB TX 78235-5500

Page 11 (Continued)

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910208 DEHL SAMPLE NO: 91011023
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910226 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|-----------------------|----------------|--------------|-------------------|
| Pentachlorophenol | NP | mg/L | |
| Pyridine | NP | mg/L | |
| Selenium | NP | mg/L | 3020/7740 |
| Silver | NP | mg/L | 3010/7760 |
| Toxaphene | NP | mg/L | |
| Vinyl Chloride | NP | mg/L | |
| Trichloroethylene | NP | mg/L | |
| Tetrachloroethylene | NP | mg/L | |
| 2,4,5-Trichlorophenol | NP | mg/L | |
| 2,4,6-Trichlorophenol | NP | mg/L | |
| Silvex | NP | mg/L | |
| Major components | SH | | |

NP : Test Not Performed

SH : See comment.

Comments:

SAMPLE IS (TOP 25%) 98% WATER AND 2% PETROLEUM HYDROCARBONS. (BOTTOM 5%) 94% WATER AND 6% ORGANIC SOIL (HUMUS).

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

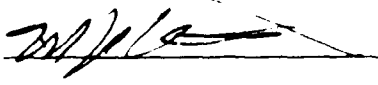
REPORT OF ANALYSIS

BASE SAMPLE NO: GT910208 DEHL SAMPLE NO: 91011023
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910226 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF AFB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|-------------|----------------|--------------|-------------------|
|-------------|----------------|--------------|-------------------|

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by: 

Michael J. Wantland, MSgt, USAF
HDDIC Technical Operations Branch

PAGE 7

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910209 DEHL SAMPLE NO: 91011024
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910226 DATE REPORTED: 910531
DATE REPRINTED: 910729
SAMPLE SUBMITTED BY: 11TH AFMC/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> |
|---------------------|----------------|--------------|
| Nitrobenzene | <.10 | mg/L |
| Arsenic | <0.5 | mg/L |
| Chlordane | NP | mg/L |
| Barium | <10.0 | mg/L |
| Chloroform | <1.6 | mg/L |
| Chromium | <.5 | mg/L |
| m-Cresol | <.10 | mg/L |
| o-Cresol | <.10 | mg/L |
| p-Cresol | <.10 | mg/L |
| 1,4-Dichlorobenzene | <.10 | mg/L |
| 1,2-Dichloroethane | <1.6 | mg/L |
| 1,1-Dichloroethene | <1.6 | mg/L |
| 2,4-D | NP | mg/L |
| Endrin | NP | mg/L |
| Heptachlor | NP | mg/L |
| 2,4-Dinitrotoluene | <.10 | mg/L |
| Hexachlorobenzene | <.10 | mg/L |
| Hexachlorobutadiene | <.10 | mg/L |
| Hexachloroethane | <.10 | mg/L |
| Lead | 0.8 | mg/L |
| Lindane | NP | mg/L |
| Methoxychlor | NP | mg/L |
| Toxaphene | NP | mg/L |
| Silvex | NP | mg/L |
| Silver | <.5 | mg/L |
| Vinyl Chloride | <1.6 | mg/L |

TO:

AL/DEBE
BROOKS AFB TX 78235-5000

PAGE 1 (Cont 'd)

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910209 OEHL SAMPLE NO: 91011024
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910226 DATE REPORTED: 910531
 DATE REPRINTED: 910729
SAMPLE SUBMITTED BY: 11TH AFMC/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> |
|-----------------------|----------------|--------------|
| Trichloroethylene | <1.6 | mg/L |
| Tetrachloroethylene | <1.6 | mg/L |
| 2,4,5-Trichlorophenol | <.10 | mg/L |
| 2,4,6-Trichlorophenol | <.10 | mg/L |
| Benzene | <1.6 | mg/L |
| Cadmium | <0.1 | mg/L |
| Carbon Tetrachloride | <1.6 | mg/L |
| Chlorobenzene | <1.6 | mg/L |
| Mercury | <0.02 | mg/L |
| Pentachlorophenol | <.50 | mg/L |
| Puridine | <.10 | mg/L |
| Selenium | <0.1 | mg/L |
| Methyl Ethyl Ketone | <20 | mg/L |
| Major components | SN | |

NP : Test Not Performed

SN : See comment.

Comments:

SAMPLE IS 87% ETHYLENE GLYCOL, 7% WATER AND 6% PETROLEUM
HYDROCARBONS. AMENDED REPORT TO REFLECT RESULTS FOR TCLP
ANALYSIS.

< - Signifies none detected and the detection limits.
All methods conform to those required by SW 846.

PAGE 2 (Cont'd)

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910209 OEHL SAMPLE NO: 91011024
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910226 DATE REPORTED: 910531
 DATE REPRINTED: 910729
SAMPLE SUBMITTED BY: 11TH AFMC/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> |
|-------------|----------------|--------------|
|-------------|----------------|--------------|

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by: 

Michael J. Wantland, MSot, USAF
NCOIC Technical Operations Branch

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910209 OEHL SAMPLE NO: 91011024
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910226 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF AFB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|----------------------|----------------|--------------|-------------------|
| Arsenic | NP | mg/L | 3020/7060 |
| Barium | NP | mg/L | 3010/7080 |
| Benzene | NP | mg/L | |
| Cadmium | NP | mg/L | 3010/7130 |
| Carbon Tetrachloride | NP | mg/L | |
| Chlordane | NP | mg/L | |
| Chlorobenzene | NP | mg/L | |
| Chloroform | NP | mg/L | |
| Chromium | NP | mg/L | 3010/7190 |
| m-Cresol | NP | mg/L | |
| o-Cresol | NP | mg/L | |
| p-Cresol | NP | mg/L | |
| 1,4-Dichlorobenzene | NP | mg/L | |
| 1,2-Dichloroethane | NP | mg/L | |
| 1,1-Dichloroethene | NP | mg/L | |
| 2,4-D | NP | mg/L | |
| 2,4-Dinitrotoluene | NP | mg/L | |
| Endrin | NP | mg/L | |
| Heptachlor | NP | mg/L | |
| Hexachlorobenzene | NP | mg/L | |
| Hexachlorobutadiene | NP | mg/L | |
| Hexachloroethane | NP | mg/L | |
| Lead | NP | mg/L | 3010/7420 |
| Lindane | NP | mg/L | |
| Mercury | NP | mg/L | 7470 |
| Methoxychlor | NP | mg/L | |
| Methyl Ethyl Ketone | NP | mg/L | |
| Nitrobenzene | NP | mg/L | |

TD:

AL/DEBE
BROOKS AFB TX 78235-5000

PAGE 1 (Cont'd)

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910209 OEHL SAMPLE NO: 91011024
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910226 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|-----------------------|----------------|--------------|-------------------|
| Pentachlorophenol | NP | mg/L | |
| Pyridine | NP | mg/L | |
| Selenium | NP | mg/L | 3020/8740 |
| Silver | NP | mg/L | 3010/8760 |
| Toxaphene | NP | mg/L | |
| Vinyl Chloride | NP | mg/L | |
| Trichloroethylene | NP | mg/L | |
| Tetrachloroethylene | NP | mg/L | |
| 2,4,5-Trichlorophenol | NP | mg/L | |
| 2,4,6-Trichlorophenol | NP | mg/L | |
| Silver | NP | mg/L | |
| Major components | SN | | |

NP : Test Not Performed

SN : See comment.

Comments:

SAMPLE IS 87% ETHYLENE GLYCOL, 7% WATER AND 6% PETROLEUM HYDROCARBONS.

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910209 DEHL SAMPLE NO: 91011024
SAMPLE TYPE: WASTE, HAZARDOUS TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910226 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPH Method</u> |
|-------------|----------------|--------------|-------------------|
|-------------|----------------|--------------|-------------------|

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by: 

Michael J. Wantland, MSgt, USAF
NCOIC Technical Operations Branch

PAGE 3

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910210 DEHL SAMPLE NO: 91011025
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910226 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|--------------------------|----------------|--------------|-------------------|
| Cadmium | 0.60 | mg/L | 3010/7130 |
| Total organic halides | 0.03 | % | |
| Flash Point (closed cup) | 95 | degrees F | 1010 |
| Aroclor 1016 | <1.0 | mg/kg | |
| Aroclor 1221 | <1.0 | mg/kg | |
| Aroclor 1232 | <1.0 | mg/kg | |
| Aroclor 1242 | <1.0 | mg/kg | |
| Aroclor 1248 | <1.0 | mg/kg | |
| Aroclor 1254 | <1.0 | mg/kg | |
| Aroclor 1260 | <1.0 | mg/kg | |
| Arsenic | <0.01 | mg/L | 3020/7060 |
| Chromium | 0.25 | mg/L | 3010/7190 |
| Lead | 3.3 | mg/L | 3010 7420 |
| Major components | SN | | |

SN : See comment.

Comments:

SAMPLE IS 99% PETROLEUM HYDROCARBONS (LIGHT OIL) AND 1% WATER.
< - Signifies none detected and the detection limits.

TO:

AL/OE/BE
BROOKS AFB TX 78235-5000

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

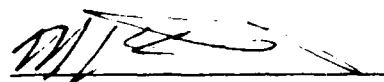
BASE SAMPLE NO: GT910210 DEHL SAMPLE NO: 91011025
SAMPLE TYPE: WASTE, HAZARDOUS TOXIC DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910226 DATE REPORTED: 910931
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF AFB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|-------------|----------------|--------------|-------------------|
|-------------|----------------|--------------|-------------------|

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:



Michael J. Wantland, MSgt, USAF
NCOIC Technical Operations Branch

PAGE 2

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910211 OEHL SAMPLE NO: 91011026
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910226 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGH HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|--------------------------|----------------|--------------|-------------------|
| Flash Point (closed cup) | >200 | degrees F | 1010 |
| Corrosivity | SINC | | 1110 |
| Arsenic | <0.5 | mg/L | 3020/2060 |
| Barium | <10.0 | mg/L | 3010/2080 |
| Cadmium | <0.1 | mg/L | 3010/2130 |
| Chromium | <0.5 | mg/L | 3010/2190 |
| Lead | <0.5 | mg/L | 3010/2420 |
| Mercury | <0.02 | mg/L | 7470 |
| Selenium | <0.1 | mg/L | 3020/2740 |
| Silver | <0.5 | mg/L | 3010/2760 |
| Hydrogen ion (pH) | 7.0 | | 1110 |
| Cyanide (total) | <2.0 | | SW 846 SEC 8.3 |
| Sulfides | <10.0 | mg/L | SW 846 SEC 8.3 |
| Major components | SN | | |

SINC : Sample is not corrosive.

SN : See comment.

Comments:

SAMPLE IS 66% ETHYLENE GLYCOL AND 34% WATER.

< - Signifies none detected and the detection limits.

TO:

AL/OEBE
BROOKS AFB TX 78235-5000

188

PAGE 1 (Cont'd)

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501


REPORT OF ANALYSIS

BASE SAMPLE NO: GT910211 OEHL SAMPLE NO: 91011026
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910226 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HQSP ELNEMDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|-------------|----------------|--------------|-------------------|
|-------------|----------------|--------------|-------------------|

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by: 

Michael J. Wantland, MSgt, USAF
NCOIC Technical Operations Branch

PAGE 2

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910212 OEHL SAMPLE NO: 91011027
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910226 DATE REPORTED: 910531
DATE ANALYZED: 910312
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|--------------------------|----------------|--------------|-------------------|
| Total organic halides | <0.03 | % | |
| Flash Point (closed cup) | >200 | degrees F | 1010 |
| Aroclor 1016 | <1.0 | mg/kg | |
| Aroclor 1221 | <1.0 | mg/kg | |
| Aroclor 1232 | <1.0 | mg/kg | |
| Aroclor 1242 | <1.0 | mg/kg | |
| Aroclor 1248 | <1.0 | mg/kg | |
| Aroclor 1254 | <1.0 | mg/kg | |
| Aroclor 1260 | <1.0 | mg/kg | |
| Arsenic | 0.02 | mg/L | 3020/7060 |
| Cadmium | 0.36 | mg/L | 3010/7130 |
| Chromium | 0.25 | mg/L | 3010/7190 |
| Lead | 9.5 | mg/L | 3010/7420 |
| Major components | BN | | |

BN : See comment.

Comments:

SAMPLE IS 98% PETROLEUM HYDROCARBONS (MOTOR OIL) AND 2% WATER.
< - Signifies none detected and the detection limits.

TO:

AL KOEBE
BROOKS AFB TX 78235-5500

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS


BASE SAMPLE NO: GT910212 OEHL SAMPLE NO: 91011027
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910226 DATE REPORTED: 910531
DATE ANALYZED: 910312
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|-------------|----------------|--------------|-------------------|
|-------------|----------------|--------------|-------------------|

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:


Michael J. Wantland, MSgt, USAF
NCOIC Technical Operations Branch

PAGE 2

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910213 DEHL SAMPLE NO: 91011028
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910226 DATE REPORTED: 910531
DATE ANALYZED: 910312
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|--------------------------|----------------|--------------|-------------------|
| Total organic halides | <0.03 | % | |
| Flash Point (closed cup) | >200 | degrees F | 1010 |
| Aroclor 1016 | <1.0 | mg/kg | |
| Aroclor 1221 | <1.0 | mg/kg | |
| Aroclor 1232 | <1.0 | mg/kg | |
| Aroclor 1242 | <1.0 | mg/kg | |
| Aroclor 1248 | <1.0 | mg/kg | |
| Aroclor 1254 | <1.0 | mg/kg | |
| Aroclor 1260 | <1.0 | mg/kg | |
| Arsenic | <0.02 | mg/L | 3020/7060 |
| Cadmium | 0.56 | mg/L | 3010/7130 |
| Chromium | 0.92 | mg/L | 3010/7190 |
| Lead | 6.3 | mg/L | 3010/7420 |
| Major components | SN | | |

SN : See comment.

Comments:

SAMPLE IS >99% PETROLEUM HYDROCARBONS (MOTOR OIL).
< - Signifies none detected and the detection limits.

TU:

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910213 OEHL SAMPLE NO: 91011028
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910226 DATE REPORTED: 910531
DATE ANALYZED: 910312
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|-------------|----------------|--------------|-------------------|
|-------------|----------------|--------------|-------------------|

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:



Michael J. Wantland, MSgt, USAF
NCOIC Technical Operations Branch

PAGE 2

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910214 OEHL SAMPLE NO: 91011029
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910227 DATE REPORTED: 910531
DATE ANALYZED: 910312
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|--------------------------|----------------|--------------|-------------------|
| Flash Point (closed cup) | 110 | degrees F | 1010 |
| Corrosivity | SINC | | 1110 |
| Arsenic | <0.5 | mg/L | 3020/7060 |
| Barium | <10.0 | mg/L | 3010/7080 |
| Cadmium | <0.1 | mg/L | 3010/7130 |
| Chromium | <0.5 | mg/L | 3010/7190 |
| Lead | <0.5 | mg/L | 3010/7420 |
| Mercury | <0.02 | mg/L | 7470 |
| Selenium | <0.1 | mg/L | 3020/7740 |
| Silver | <0.1 | mg/L | 3010/7760 |
| Hydrogen ion (pH) | 5.0 | | 1110 |
| Cyanide (total) | <2.0 | | SW 846 SEC 8.3 |
| Sulfides | <10.0 | mg/L | SW 846 SEC 8.3 |
| Major components | SN | | |

SINC : Sample is not corrosive.

SN : See comment.

Comments:

SAMPLE IS 89% ETHYLENE GLYCOL AND 11% WATER
< - Signifies none detected and the detection limits.

TO:

AL/OEBE
BROOKS AFB TX 78235-5000

194

PAGE 1 (Cont'd)

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910214 DEHL SAMPLE NO: 91011029
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910227 DATE REPORTED: 910531
DATE ANALYZED: 910312
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|-------------|----------------|--------------|-------------------|
|-------------|----------------|--------------|-------------------|

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by: 

Michael J. Wantland, MSgt, USAF
NCOIC Technical Operations Branch

PAGE 2

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910215 OEHL SAMPLE NO: 91011030
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910227 DATE REPORTED: 910531
DATE ANALYZED: 910312
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|--------------------------|----------------|--------------|-------------------|
| Flash Point (closed cup) | 95 | degrees F | 1010 |
| Corrosivity | SINC | | 1110 |
| Arsenic | <0.5 | mg/L | 3020/7060 |
| Barium | <10.0 | mg/L | 3010/7080 |
| Cadmium | 0.82 | mg/L | 3010/7130 |
| Chromium | <0.5 | mg/L | 3010/7190 |
| Lead | <0.5 | mg/L | 3010/7420 |
| Mercury | <0.02 | mg/L | 7470 |
| Selenium | <0.1 | mg/L | 3020/7740 |
| Silver | <0.5 | mg/L | 3010/7760 |
| Hydrogen ion (pH) | 5.0 | | 1110 |
| Cyanide (total) | <2.0 | | SW 846 SEC 8.3 |
| Sulfides | <10.0 | mg/L | SW 846 SEC 8.3 |
| Major components | SN | | |

SINC : Sample is not corrosive.

SN : See comment.

Comments:

SAMPLE IS 97% XYLENE AND 3% WATER.

< - Signifies none detected and the detection limits.

TO:

AL/OEBE
BROOKS AFB TX 78235-5000

196

PAGE 1(Cont'd)

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910215 OEHL SAMPLE NO: 91011030
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910227 DATE REPORTED: 910531
DATE ANALYZED: 910312
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|-------------|----------------|--------------|-------------------|
|-------------|----------------|--------------|-------------------|

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:



Michael J. Wantland, MSgt, USAF
NCOIC Technical Operations Branch

PAGE 2

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910216 OEHL SAMPLE NO: 91011031
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910227 DATE REPORTED: 910531
DATE ANALYZED: 910312
SAMPLE SUBMITTED BY: USAF RGH HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|--------------------------|----------------|--------------|-------------------|
| Flash Point (closed cup) | 190 | degrees F | 1010 |
| Corrosivity | SINC | | 1110 |
| Arsenic | <0.5 | mg/L | 3020/7060 |
| Barium | <10.0 | mg/L | 3010/7080 |
| Cadmium | <0.1 | mg/L | 3010/7130 |
| Chromium | <0.5 | mg/L | 3010/7190 |
| Lead | <0.5 | mg/L | 3010/7420 |
| Mercury | <0.02 | mg/L | 7470 |
| Selenium | <0.1 | mg/L | 3020/7740 |
| Silver | <0.5 | mg/L | 3010/7760 |
| Hydrogen ion (pH) | 7.0 | | 1110 |
| Cyanide (total) | <2.0 | | SW 846 SEC 8.3 |
| Sulfides | <10.0 | mg/L | SW 846 SEC 8.3 |
| Major components | SN | | |

SINC : Sample is not corrosive.

SN : See comment.

TO:

AL/OEBE
BROOKS AFB TX 78235-5000

198

PAGE 1 (Cont'd)

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910216 DEHL SAMPLE NO: 91011031
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910227 DATE REPORTED: 910531
DATE ANALYZED: 910312
SAMPLE SUBMITTED BY: USAF RGN HDSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|-------------|----------------|--------------|-------------------|
|-------------|----------------|--------------|-------------------|

Comments:

SAMPLE IS (TOP 50%) >99% PETROLEUM HYDROCARBONS (ALKANES). (BOTTOM 50%) >99% WATER.

< - Signifies none detected and the detection limits.

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:



Michael J. Wantland, MSgt, USAF
NCOIC Technical Operations Branch

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910217 DEHL SAMPLE NO: 91011032
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910227 DATE REPORTED: 910531
DATE ANALYZED: 910312
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDDRF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|--------------------------|----------------|--------------|-------------------|
| Flash Point (closed cup) | 97 | degrees F | 1010 |
| Corrosivity | SINC | | 1110 |
| Arsenic | <0.5 | mg/L | 3020/7060 |
| Barium | <10.0 | mg/L | 3010/7080 |
| Cadmium | 0.24 | mg/L | 3010/7130 |
| Chromium | <0.5 | mg/L | 3010/7190 |
| Lead | <0.5 | mg/L | 3010/7420 |
| Mercury | <0.02 | mg/L | 7470 |
| Selenium | <0.1 | mg/L | 3020/7740 |
| Silver | <0.5 | mg/L | 3010/7760 |
| Hydrogen ion (pH) | 5.0 | | 1110 |
| Cyanide (total) | <2.0 | | SW 846 SEC 8.3 |
| Sulfides | <10.0 | mg/L | SW 846 SEC 8.3 |
| Major components | SN | | |

SINC : Sample is not corrosive.

SN : See comment.

TO:

AL OEBE
BROOKS AFB TX 78235-5000

200

PAGE 1(Cont'd)

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910217 OEHL SAMPLE NO: 91011032
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910227 DATE REPORTED: 910531
DATE ANALYZED: 910312
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|-------------|----------------|--------------|-------------------|
|-------------|----------------|--------------|-------------------|

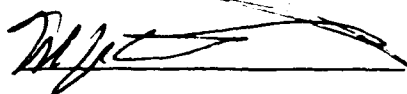
Comments:

SAMPLE IS (TOP 2%) >99% PETROLEUM HYDROCARBONS (ALKANES). (BOTTOM 98%) >99% WATER.

< - Signifies none detected and the detection limits.

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:



Michael J. Wantland, MSgt, USAF
NCOIC Technical Operations Branch

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910218 OEHL SAMPLE NO: 91011033
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910227 DATE REPORTED: 910531
DATE ANALYZED: 910312
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|--------------------------|----------------|--------------|-------------------|
| Total organic halides | <0.03 | % | |
| Flash Point (closed cup) | >200 | degrees F | 1010 |
| Aroclor 1016 | <1.0 | mg/kg | |
| Aroclor 1221 | <1.0 | mg/kg | |
| Aroclor 1232 | <1.0 | mg/kg | |
| Aroclor 1242 | <1.0 | mg/kg | |
| Aroclor 1248 | <1.0 | mg/kg | |
| Aroclor 1254 | <1.0 | mg/kg | |
| Aroclor 1260 | <1.0 | mg/kg | |
| Arsenic | <0.02 | mg/L | 3020/7060 |
| Cadmium | 0.22 | mg/L | 3010/7130 |
| Chromium | <0.25 | mg/L | 3010/7190 |
| Lead | 0.35 | mg/L | 3010/7420 |
| Major components | SN | | |

SN : See comment.

Comments:

SAMPLE IS 79% PETROLEUM HYDROCARBONS AND 21% SURFACTANTS.
< - Signifies none detected and the detection limits.

TO:

202

AL DOSE
BROOKS AFB TX 78235-5501

PAGE 1 (Continued)

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910218 OEHL SAMPLE NO: 91011033
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910227 DATE REPORTED: 910531
DATE ANALYZED: 910312
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|-------------|----------------|--------------|-------------------|
|-------------|----------------|--------------|-------------------|

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by: 

Michael J. Wantland, MSgt, USAF
NCOIC Technical Operations Branch

PAGE 2

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910219 OEHL SAMPLE NO: 91011034
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910227 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|--------------------------|----------------|--------------|-------------------|
| Total organic halides | .23 | % | |
| Flash Point (closed cup) | >200 | degrees F | 1010 |
| Aroclor 1016 | <1.0 | mg/kg | |
| Aroclor 1221 | <1.0 | mg/kg | |
| Aroclor 1232 | <1.0 | mg/kg | |
| Aroclor 1242 | <1.0 | mg/kg | |
| Aroclor 1248 | <1.0 | mg/kg | |
| Aroclor 1254 | <1.0 | mg/kg | |
| Aroclor 1260 | <1.0 | mg/kg | |
| Arsenic | <0.02 | mg/L | 3020/7060 |
| Cadmium | 0.24 | mg/L | 3010/7130 |
| Chromium | 0.80 | mg/L | 3010/7190 |
| Lead | 2.3 | mg/L | 3010/7420 |
| Major components | SN | | |

SN : See comment.

Comments:

SAMPLE IS >99% PETROLEUM HYDROCARBONS (MOTOR OIL).
< - Signifies none detected and the detection limits.

TO:

204

AL/DEBE
BROOKS AFB TX 78235-5500

PAGE 1 (Cont'd)

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

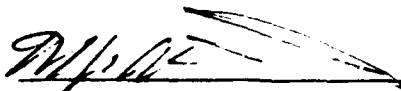
BASE SAMPLE NO: GT910219 OEHL SAMPLE NO: 91011034
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910227 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|-------------|----------------|--------------|-------------------|
|-------------|----------------|--------------|-------------------|

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:



Michael J. Wantland, MSgt, USAF
NCOIC Technical Operations Branch

PAGE 2

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

ASE SAMPLE NO: GS910221 OEHL SAMPLE NO: 91011036
AMPLE TYPE: SOIL
ITE IDENTIFIER: DATE RECEIVED: 910308
ATE COLLECTED: 910227 DATE REPORTED: 910531
AMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|----------------------|----------------|--------------|-------------------|
| Arsenic | <0.5 | mg/L | 3020/7060 |
| Barium | <10.0 | mg/L | 3010/7080 |
| Benzene | <0.05 | mg/L | |
| Cadmium | <0.1 | mg/L | 3010/7130 |
| Carbon Tetrachloride | <0.05 | mg/L | |
| Chlordane | NP | mg/L | |
| Chlorobenzene | <10.0 | mg/L | |
| Chloroform | <0.5 | mg/L | |
| Chromium | <0.5 | mg/L | 3010/7190 |
| ,4-Dichlorobenzene | <10.0 | mg/L | |
| ,2-Dichloroethane | <0.05 | mg/L | |
| ,1-Dichloroethene | <0.05 | mg/L | |
| ,4-D | NP | mg/L | |
| ,4-Dinitrotoluene | <10.0 | mg/L | |
| Endrin | NP | mg/L | |
| Heptachlor | NP | mg/L | |
| Hexachlorobenzene | <10.0 | mg/L | |
| Hexachlorobutadiene | <10.0 | mg/L | |
| Hexachloroethane | <10.0 | mg/L | |
| Lead | 0.88 | mg/L | 3010/7420 |
| Indane | NP | mg/L | |
| Mercury | <0.02 | mg/L | 7470 |
| Methoxychlor | NP | mg/L | |
| Methyl Ethyl Ketone | <20. | mg/L | |
| Nitrobenzene | <10.0 | mg/L | |
| Orthachlorophenol | <10.0 | mg/L | |
| Selenium | <0.1 | mg/L | 3020/7740 |
| p-Cresol | <20. | mg/L | |

TO:

AL/OEBE
BROOKS AFB TX 78235-5000

PAGE 1 (Cont'd)

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GS910221 DEHL SAMPLE NO: 91011036
SAMPLE TYPE: SOIL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910227 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|--------------------------|----------------|--------------|-------------------|
| o-Cresol | <20. | mg/L | |
| p-Cresol | <20. | mg/L | |
| Pyridine | <10.0 | mg/L | |
| Silver | <0.5 | mg/L | 3010/7760 |
| Toxaphene | NP | mg/L | |
| Vinyl Chloride | <0.02 | mg/L | |
| Trichloroethylene | <0.05 | mg/L | |
| Tetrachloroethylene | <0.05 | mg/L | |
| 2,4,5-Trichlorophenol | <40. | mg/L | |
| 2,4,6-Trichlorophenol | <10.0 | mg/L | |
| Silvex | NP | mg/L | |
| Flash Point (closed cup) | >200 | degrees F | 1010 |
| Corrosivity | SINC | | 1110 |
| Hydrogen ion (pH) | 7.0 | | 1110 |
| Cyanide (total) | <2.0 | | SW 846 SEC 8.3 |
| Sulfides | <10.0 | mg/L | SW 846 SEC 8.3 |
| Major components | SN | | |

NP : Test Not Performed
SINC : Sample is not corrosive.
SN : See comment.

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GS910221 OEHL SAMPLE NO: 91011036
SAMPLE TYPE: SOIL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910227 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|-------------|----------------|--------------|-------------------|
|-------------|----------------|--------------|-------------------|

Comments:

SAMPLE IS (TOP 70%) >99% WATER. (BOTTOM 30%) 61% WATER, 31% HEAVY PETROLEUM GEL AND 8% INORGANIC SALT.

< - Signifies none detected and the detection limits.

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:



Michael J. Wantland, MSgt, USAF
NCOIC Technical Operations Branch

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GS910222 OEHL SAMPLE NO: 91011037
SAMPLE TYPE: SOIL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910227 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|----------------------|----------------|--------------|-------------------|
| Arsenic | NP | mg/L | 3020/7060 |
| Barium | NP | mg/L | 3010/7080 |
| Benzene | NP | mg/L | |
| Cadmium | NP | mg/L | 3010/7130 |
| Carbon Tetrachloride | NP | mg/L | |
| Chlordane | NP | mg/L | |
| Chlorobenzene | NP | mg/L | |
| Chloroform | NP | mg/L | |
| Chromium | NP | mg/L | 3010/7190 |
| 1,4-Dichlorobenzene | NP | mg/L | |
| 1,2-Dichloroethane | NP | mg/L | |
| 1,1-Dichloroethene | NP | mg/L | |
| 2,4-D | NP | mg/L | |
| 2,4-Dinitrotoluene | NP | mg/L | |
| Endrin | NP | mg/L | |
| Heptachlor | NP | mg/L | |
| Hexachlorobenzene | NP | mg/L | |
| Hexachlorobutadiene | NP | mg/L | |
| Hexachloroethane | NP | mg/L | |
| Lead | NP | mg/L | 3010/7420 |
| Lindane | NP | mg/L | |
| Mercury | NP | mg/L | 7470 |
| Methoxychlor | NP | mg/L | |
| Methyl Ethyl Ketone | NP | mg/L | |
| Nitrobenzene | NP | mg/L | |
| Pentachlorophenol | NP | mg/L | |
| Selenium | NP | mg/L | 3020/7740 |
| m-Cresol | NP | mg/L | |

TO:

AL/OEBE
BROOKS AFB TX 78235-5000

PAGE 1 (Cont'd)

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GS910222 OEHL SAMPLE NO: 91011037
SAMPLE TYPE: SOIL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910227 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|-----------------------|----------------|--------------|-------------------|
| o-Cresol | NP | mg/L | |
| p-Cresol | NP | mg/L | |
| Pyridine | NP | mg/L | |
| Silver | NP | mg/L | 3010/7760 |
| Toxaphene | NP | mg/L | |
| Vinyl Chloride | NP | mg/L | |
| Trichloroethylene | NP | mg/L | |
| Tetrachloroethylene | NP | mg/L | |
| 2,4,5-Trichlorophenol | NP | mg/L | |
| 2,4,6-Trichlorophenol | NP | mg/L | |
| Silvex | NP | mg/L | |
| Major components | SN | | |

NP : Test Not Performed

SN : See comment.

Comments:

SAMPLE IS (TOP 20%) 97% WATER AND 3% PETROLEUM HYDROCARBON OIL.
(BOTTOM 30%) 82% WATER, 14% ORGANIC SOIL (HUMIS) AND 4% INORGANIC
SALTS.

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GS910222 OEHL SAMPLE NO: 91011037
SAMPLE TYPE: SOIL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910227 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|-------------|----------------|--------------|-------------------|
|-------------|----------------|--------------|-------------------|

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by: 

Michael J. Wantland, MSgt, USAF
NCOIC Technical Operations Branch

PAGE 3

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS. 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GS910222 OEHL SAMPLE NO: 91011037
SAMPLE TYPE: SOIL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910227 DATE REPORTED: 910531
DATE REPRINTED: 910729
SAMPLE SUBMITTED BY: 11TH AFMC/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> |
|---------------------|----------------|--------------|
| Arsenic | <0.5 | mg/L |
| Chlordane | NP | mg/L |
| Barium | <10.0 | mg/L |
| Benzene | <0.005 | mg/L |
| 2,4-D | NP | mg/L |
| Endrin | NP | mg/L |
| Heptachlor | NP | mg/L |
| Lindane | NP | mg/L |
| Methoxychlor | NP | mg/L |
| Hexachlorobenzene | <.10 | mg/L |
| Hexachlorobutadiene | <.10 | mg/L |
| Hexachloroethane | <.10 | mg/L |
| Lead | <0.5 | mg/L |
| Mercury | 0.04 | mg/L |
| Methyl Ethyl Ketone | 0.23 | mg/L |
| Nitrobenzene | <.10 | mg/L |
| Pentachlorophenol | <.50 | mg/L |
| Selenium | <0.1 | mg/L |
| m-Cresol | <.10 | mg/L |
| o-Cresol | <.10 | mg/L |
| p-Cresol | <.10 | mg/L |
| Pyridine | <.10 | mg/L |
| Toxaphene | NP | mg/L |
| Silvex | NP | mg/L |
| Silver | <0.5 | mg/L |
| Trichloroethylene | <0.005 | mg/L |

TO:

AL/OEBC
BROOKS AFB TX 78235-5000

PAGE 1 (Cont'd)

REPORT OF ANALYSIS

BASE SAMPLE NO: GS910222 OEHL SAMPLE NO: 91011037
SAMPLE TYPE: SOIL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910227 DATE REPORTED: 910531
 DATE REPRINTED: 910729
SAMPLE SUBMITTED BY: 11TH AFMC/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> |
|-----------------------|----------------|--------------|
| Cadmium | 0.14 | mg/L |
| Carbon Tetrachloride | <0.005 | mg/L |
| Chlorobenzene | <.010 | mg/L |
| Chloroform | <0.005 | mg/L |
| Chromium | <0.5 | mg/L |
| 1,4-Dichlorobenzene | <.10 | mg/L |
| 1,2-Dichloroethane | <0.005 | mg/L |
| 1,1-Dichloroethene | <0.005 | mg/L |
| 2,4-Dinitrotoluene | <.10 | mg/L |
| Vinyl Chloride | <.010 | mg/L |
| Tetrachloroethylene | <.005 | mg/L |
| 2,4,5-Trichlorophenol | <.10 | mg/L |
| 2,4,6-Trichlorophenol | <.10 | mg/L |
| Major components | SN | |

NP : Test Not Performed

SN : See comment.

REPORT OF ANALYSIS

RESULTS

REPORT OF ANALYSIS

SAMPLE SUBMITTED BY: 11TH AFMC/SGPB

| <u>Test</u> | <u>Results</u> | <u>Units</u> |
|---------------------|----------------|--------------|
| Cadmium | <0.1 | mg/L |
| Chlordane | NP | mg/L |
| Arsenic | <0.5 | mg/L |
| Barium | <10.0 | mg/L |
| 2,4-D | NP | mg/L |
| Endrin | NP | mg/L |
| Chromium | <0.5 | mg/L |
| 1,4-Dichlorobenzene | <.10 | mg/L |
| Heptachlor | NP | mg/L |
| Lindane | NP | mg/L |
| Methoxychlor | NP | mg/L |
| Hexachlorobenzene | <.10 | mg/L |
| Hexachlorobutadiene | <.10 | mg/L |
| Hexachloroethane | <.10 | mg/L |
| Lead | <0.5 | mg/L |
| Methyl Ethyl Ketone | 0.29 | mg/L |
| Nitrobenzene | <.10 | mg/L |
| Pentachlorophenol | <.50 | mg/L |
| Selenium | <0.1 | mg/L |
| m-Cresol | <.10 | mg/L |
| o-Cresol | <.10 | mg/L |
| p-Cresol | <.10 | mg/L |
| Pyridine | <.10 | mg/L |
| Toxaphene | NP | mg/L |
| Silvex | NP | mg/L |
| Silver | <0.5 | mg/L |

PAGE 1 (Cont'd)

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB. TEXAS. 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GS910223 OEHL SAMPLE NO: 91011038
SAMPLE TYPE: SOIL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910227 DATE REPORTED: 910531
DATE REPRINTED: 910729
SAMPLE SUBMITTED BY: 11TH AFMC/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> |
|-----------------------|----------------|--------------|
| Trichloroethulene | <0.005 | mg/L |
| Benzene | <0.005 | mg/L |
| Carbon Tetrachloride | <0.005 | mg/L |
| Chlorobenzene | <.010 | mg/L |
| Chloroform | <0.005 | mg/L |
| 1,2-Dichloroethane | <.005 | mg/L |
| 1,1-Dichloroethene | <0.005 | mg/L |
| 2,4-Dinitrotoluene | <.010 | mg/L |
| Mercury | <0.02 | mg/L |
| Vinyl Chloride | <.010 | mg/L |
| Tetrachloroethulene | <0.005 | mg/L |
| 2,4,5-Trichlorophenol | <.10 | mg/L |
| 2,4,6-Trichlorophenol | <.10 | mg/L |
| Major components | SN | |

NP : Test Not Performed
SN : See comment.

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS. 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GS910223 OEHL SAMPLE NO: 91011038
SAMPLE TYPE: SOIL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910227 DATE REPORTED: 910531
DATE REPRINTED: 910729
SAMPLER SUBMITTED BY: 11TH AFMC/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> |
|-------------|----------------|--------------|
|-------------|----------------|--------------|

Comments:

SAMPLE IS (TOP 10%) 95% WATER AND 5% PETROLEUM HYDROCARBON OIL.
(BOTTOM 90%) 60% WATER, 38% ORGANIC SOIL (HUMUS) AND 2% INORGANIC
SALTS. AMENDED REPORT TO REFLECT RESULTS FOR
TCLP ANALYSIS.
< - Signifies none detected and the detection limits.
All methods conform to those required by SW 846.

Analyzed by: Rabe-Kistner Consultants, Inc.

Reviewed by: 

Michael J. Wentland, MSat, USAF
NCOIC Technical Operations Branch

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS


BASE SAMPLE NO: GS910223 OEHL SAMPLE NO: 91011038
SAMPLE TYPE: SOIL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910227 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|-------------|----------------|--------------|-------------------|
|-------------|----------------|--------------|-------------------|

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:


Michael J. Wantland, MSgt, USAF
NCOIC Technical Operations Branch

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GS910223 DEHL SAMPLE NO: 91011038
SAMPLE TYPE: SOIL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910227 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HDSP ELMEMDGRF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|----------------------|----------------|--------------|-------------------|
| Arsenic | NP | mg/L | 3020/7060 |
| Barium | NP | mg/L | 3010/7080 |
| Benzene | NP | mg/L | |
| Cadmium | NP | mg/L | 3010/7170 |
| Carbon Tetrachloride | NP | mg/L | |
| Chlordane | NP | mg/L | |
| Chlorobenzene | NP | mg/L | |
| Chloroform | NP | mg/L | |
| Chromium | NP | mg/L | 3010/7190 |
| 1,4-Dichlorobenzene | NP | mg/L | |
| 1,2-Dichloroethane | NP | mg/L | |
| 1,1-Dichloroethene | NP | mg/L | |
| 2,4-D | NP | mg/L | |
| 2,4-Dinitrotoluene | NP | mg/L | |
| Endrin | NP | mg/L | |
| Heptachlor | NP | mg/L | |
| Hexachlorobenzene | NP | mg/L | |
| Hexachlorobutadiene | NP | mg/L | |
| Hexachloroethane | NP | mg/L | |
| Lead | NP | mg/L | 3010/7420 |
| Lindane | NP | mg/L | |
| Mercury | NP | mg/L | 7470 |
| Methoxychlor | NP | mg/L | |
| Methyl Ethyl Ketone | NP | mg/L | |
| Nitrobenzene | NP | mg/L | |
| Pentachlorophenol | NP | mg/L | |
| Selenium | NP | mg/L | 3020/7740 |
| m-Cresol | NP | mg/L | |

TO:

AL/OEGB
BROOKS AFB TX 78235-5000

PAGE 1 (Cont'd)

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GS910223 OEHL SAMPLE NO: 91011038
SAMPLE TYPE: SOIL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910227 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|-----------------------|----------------|--------------|-------------------|
| o-Cresol | NP | mg/L | |
| p-Cresol | NP | mg/L | |
| Pyridine | NP | mg/L | |
| Silver | NP | mg/L | 3010/2760 |
| Toxaphene | NP | mg/L | |
| Vinyl Chloride | NP | mg/L | |
| Trichloroethylene | NP | mg/L | |
| Tetrachloroethylene | NP | mg/L | |
| 2,4,5-Trichlorophenol | NP | mg/L | |
| 2,4,6-Trichlorophenol | NP | mg/L | |
| Silvex | NP | mg/L | |
| Major components | SN | | |

NP : Test Not Performed

SN : See comment.

Comments:

SAMPLE IS (TOP 10%) 95% WATER AND 5% PETROLEUM HYDROCARBON OIL.
(BOTTOM 90%) 60% WATER, 38% ORGANIC SOIL (HUMUS) AND 2% INORGANIC
SALTS.

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GS910224 OEHL SAMPLE NO: 91011039
SAMPLE TYPE: SOIL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910227 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HCSP ELMEINDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|----------------------|----------------|--------------|-------------------|
| Arsenic | NP | mg/L | 3020/7060 |
| Barium | NP | mg/L | 3010/7080 |
| Benzene | NP | mg/L | |
| Cadmium | NP | mg/L | 3010/7130 |
| Carbon Tetrachloride | NP | mg/L | |
| Chlordane | NP | mg/L | |
| Chlorobenzene | NP | mg/L | |
| Chloroform | NP | mg/L | |
| Chromium | NP | mg/L | 3010/7190 |
| 1,4-Dichlorobenzene | NP | mg/L | |
| 1,2-Dichloroethane | NP | mg/L | |
| 1,1-Dichloroethene | NP | mg/L | |
| 2,4-D | NP | mg/L | |
| 2,4-Dinitrotoluene | NP | mg/L | |
| Endrin | NP | mg/L | |
| Heptachlor | NP | mg/L | |
| Hexachlorobenzene | NP | mg/L | |
| Hexachlorobutadiene | NP | mg/L | |
| Hexachloroethane | NP | mg/L | |
| Lead | NP | mg/L | 3010/7420 |
| Lindane | NP | mg/L | |
| Mercury | NP | mg/L | 7470 |
| Methoxychlor | NP | mg/L | |
| Methyl Ethyl Ketone | NP | mg/L | |
| Nitrobenzene | NP | mg/L | |
| Pentachlorophenol | NP | mg/L | |
| Selenium | NP | mg/L | 3020/7740 |
| m-Cresol | NP | mg/L | |

TO:

AL/OEBE
BROOKS AFB TX 78235-5000

PAGE 1 (Cont'd)

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GS910224 DEHL SAMPLE NO: 91011039
SAMPLE TYPE: SOIL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910227 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|-----------------------|----------------|--------------|-------------------|
| o-Cresol | NP | mg/L | |
| p-Cresol | NP | mg/L | |
| Pyridine | NP | mg/L | |
| Silver | NP | mg/L | 3010/2760 |
| Toxaphene | NP | mg/L | |
| Vinyl Chloride | NP | mg/L | |
| Trichloroethylene | NP | mg/L | |
| Tetrachloroethylene | NP | mg/L | |
| 2,4,5-Trichlorophenol | NP | mg/L | |
| 2,4,6-Trichlorophenol | NP | mg/L | |
| Silvex | NP | mg/L | |
| Major components | SH | | |

NP : Test Not Performed

SH : See comment.

Comments:

SAMPLE IS (TOP 2%) 95% LIGHT PETROLEUM HYDROCARBON OIL AND 5% WATER.
(MIDDLE 8%) 100% WATER. (BOTTOM 90%) 48% WATER, 32% ORGANIC SOIL
(HUMUS), 13% INORGANIC SSALTS AND 2% LIGHT PETROLEUM HYDROCARBON OIL.

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GS910224 DEHL SAMPLE NO: 91011039
SAMPLE TYPE: SOIL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910227 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|-------------|----------------|--------------|-------------------|
|-------------|----------------|--------------|-------------------|

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:



Michael J. Wantland, MSgt, USAF
NCOIC Technical Operations Branch

REPORT OF ANALYSIS

BASE SAMPLE NO: GS910224 OEHL SAMPLE NO: 91011039

SAMPLE TYPE: SOIL

SITE IDENTIFIER: DATE RECEIVED: 910308

DATE COLLECTED: 910227 DATE REPORTED: 910531

 DATE REPRINTED: 910729

SAMPLE SUBMITTED BY: 11TH AFMC/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> |
|---------------------|----------------|--------------|
| Arsenic | <0.5 | mg/L |
| Chlordane | NP | mg/L |
| Barium | <10.0 | mg/L |
| Benzene | 0.52 | mg/L |
| Cadmium | <0.1 | mg/L |
| 2,4-D | NP | mg/L |
| Endrin | NP | mg/L |
| Chromium | <0.5 | mg/L |
| 1,4-Dichlorobenzene | <.10 | mg/L |
| 1,2-Dichloroethane | <0.005 | mg/L |
| Heptachlor | NP | mg/L |
| Lindane | NP | mg/L |
| Methoxychlor | NP | mg/L |
| Hexachlorobenzene | <.10 | mg/L |
| Hexachlorobutadiene | <.10 | mg/L |
| Hexachloroethane | <.10 | mg/L |
| Lead | 0.66 | mg/L |
| Methyl Ethyl Ketone | 0.31 | mg/L |
| Nitrobenzene | <.10 | mg/L |
| Pentachlorophenol | <.50 | mg/L |
| Selenium | <0.1 | mg/L |
| m-Cresol | <.10 | mg/L |
| o-Cresol | <.10 | mg/L |
| p-Cresol | <.10 | mg/L |
| Pyridine | <.10 | mg/L |
| Toxaphene | NP | mg/L |

TO:

AL/OEBE
BROOKS AFB TX 78235-5000

224

PAGE 1 (Cont'd)

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB. TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GS910224 OEHL SAMPLE NO: 91011039
SAMPLE TYPE: SOIL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910227 DATE REPORTED: 910531
 DATE REPRINTED: 910729
SAMPLE SUBMITTED BY: 11TH AFMC/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> |
|-----------------------|----------------|--------------|
| Silvex | NP | mg/L |
| Silver | <0.5 | mg/L |
| Carbon Tetrachloride | <0.005 | mg/L |
| Chlorobenzene | <.010 | mg/L |
| Chloroform | <0.005 | mg/L |
| 1,1-Dichloroethene | <0.005 | mg/L |
| 2,4-Dinitrotoluene | <.10 | mg/L |
| Mercury | <0.02 | mg/L |
| Vinyl Chloride | <.010 | mg/L |
| Trichloroethylene | <0.005 | mg/L |
| Tetrachloroethylene | 0.009 | mg/L |
| 2,4,5-Trichlorophenol | <.10 | mg/L |
| 2,4,6-Trichlorophenol | <.10 | mg/L |
| Major components | SN | |

NP : Test Not Performed

SN : See comment.

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS. 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GS910224 DEHL SAMPLE NO: 91011039
SAMPLE TYPE: SOIL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910227 DATE REPORTED: 910531
 DATE REPRINTED: 910729
SAMPLE SUBMITTED BY: 11TH AFMC/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> |
|-------------|----------------|--------------|
|-------------|----------------|--------------|

Comments:

SAMPLE IS (TOP 2%) 95% LIGHT PETROLEUM HYDROCARBON OIL AND 5% WATER.
(MIDDLE 8%) 100% WATER. (BOTTOM 90%) 48% WATER, 37% ORGANIC SOIL
(HUMIS), 13% INORGANIC SSALTS AND 2% LIGHT PETROLEUM HYDROCARBON OIL.
AMENDED REPORT TO REFLECT RESULTS FOR TCLP ANALYSIS.

< - Signifies none detected and the detection limits.

All methods conform to those required by SW 846.

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:


Michael J. Wentland, MSat, USAF
NCOIC Technical Operations Branch

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS. 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GS910225 DEHL SAMPLE NO: 91011040
SAMPLE TYPE: SOIL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910227 DATE REPORTED: 910531
 DATE REPRINTED: 910729
SAMPLE SUBMITTED BY: 11TH AFMC/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> |
|---------------------|----------------|--------------|
| Arsenic | <0.5 | mg/L |
| Chlordane | NP | mg/L |
| Barium | <10.0 | mg/L |
| Benzene | <0.005 | mg/L |
| 1,2-Dichloroethane | NP | mg/L |
| 2,4-D | NP | mg/L |
| Endrin | NP | mg/L |
| Heptachlor | NP | mg/L |
| Lindane | NP | mg/L |
| Methoxychlor | NP | mg/L |
| Hexachlorobenzene | <.10 | mg/L |
| Hexachlorobutadiene | <.10 | mg/L |
| Hexachloroethane | <.10 | mg/L |
| Lead | <0.5 | mg/L |
| Methyl Ethyl Ketone | 0.31 | mg/L |
| Nitrobenzene | <.10 | mg/L |
| Pentachlorophenol | <.50 | mg/L |
| Selenium | <0.1 | mg/L |
| m-Cresol | <.10 | mg/L |
| o-Cresol | <.10 | mg/L |
| p-Cresol | <.10 | mg/L |
| Pyridine | <.10 | mg/L |
| Toxaphene | NP | mg/L |
| Silvex | NP | mg/L |
| Silver | <0.5 | mg/L |
| Trichloroethylene | <0.005 | mg/L |

TO:

AL/DEBE
BROOKS AFB TX 78235-5000

PAGE 1(Cont'd)

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB. TEXAS. 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GS910225 OEHL SAMPLE NO: 91011040
SAMPLE TYPE: SOIL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910227 DATE REPORTED: 910531
 DATE REPRINTED: 910729
SAMPLE SUBMITTED BY: 11TH AFMC/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> |
|-----------------------|----------------|--------------|
| Cadmium | 2.4 | mg/L |
| Carbon Tetrachloride | <0.005 | mg/L |
| Chlorobenzene | <.010 | mg/L |
| Chloroform | <0.005 | mg/L |
| Chromium | <0.005 | mg/L |
| 1,4-Dichlorobenzene | <.10 | mg/L |
| 1,1-Dichloroethene | <0.005 | mg/L |
| 2,4-Dinitrotoluene | <.10 | mg/L |
| Mercury | <0.02 | mg/L |
| Vinyl Chloride | <.010 | mg/L |
| Tetrachloroethylene | <0.005 | mg/L |
| 2,4,5-Trichlorophenol | <.10 | mg/L |
| 2,4,6-Trichlorophenol | <.10 | mg/L |
| Major components | SN | |

NP : Test Not Performed

SN : See comment.

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS. 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GS910225 OEHL SAMPLE NO: 91011040
SAMPLE TYPE: SOIL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910227 DATE REPORTED: 910531
 DATE REPRINTED: 910729
SAMPLE SUBMITTED BY: 11TH AFMC/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> |
|-------------|----------------|--------------|
|-------------|----------------|--------------|

Comments:

SAMPLE IS 60% INORGANIC SOIL, 23% ORGANIC SOIL, 16% WATER AND 1% PETROLEUM HYDROCARBONS.
AMENDED REPORT TO REFLECT RESULTS FOR TCLP ANALYSIS.
< - Signifies none detected and the detection limits.
All methods conform to those required by SW 846.

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:



Michael J. Wentland, MSot, USAF
NCOIC Technical Operations Branch

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GS910225 OEHL SAMPLE NO: 91011040
SAMPLE TYPE: SOIL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910227 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|----------------------|----------------|--------------|-------------------|
| Arsenic | NP | mg/L | 3020/7060 |
| Barium | NP | mg/L | 3010/7080 |
| Benzene | NP | mg/L | |
| Cadmium | NP | mg/L | 3010/7130 |
| Carbon Tetrachloride | NP | mg/L | |
| Chlordane | NP | mg/L | |
| Chlorobenzene | NP | mg/L | |
| Chloroform | NP | mg/L | |
| Chromium | NP | mg/L | 3010/7190 |
| 1,4-Dichlorobenzene | NP | mg/L | |
| 1,2-Dichloroethane | NP | mg/L | |
| 1,1-Dichloroethene | NP | mg/L | |
| 2,4-D | NP | mg/L | |
| 2,4-Dinitrotoluene | NP | mg/L | |
| Endrin | NP | mg/L | |
| Heptachlor | NP | mg/L | |
| Hexachlorobenzene | NP | mg/L | |
| Hexachlorobutadiene | NP | mg/L | |
| Hexachloroethane | NP | mg/L | |
| Lead | NP | mg/L | 3010/7420 |
| Lindane | NP | mg/L | |
| Mercury | NP | mg/L | 7470 |
| Methoxychlor | NP | mg/L | |
| Methyl Ethyl Ketone | NP | mg/L | |
| Nitrobenzene | NP | mg/L | |
| Pentachlorophenol | NP | mg/L | |
| Selenium | NP | mg/L | 3020/7740 |
| m-Cresol | NP | mg/L | |

TO:

AL/OEBE
BROOKS AFB TX 78235-5000

PAGE 1 (Cont'd)

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GS910225 OEHL SAMPLE NO: 91011040
SAMPLE TYPE: SOIL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910227 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|-----------------------|----------------|--------------|-------------------|
| o-Cresol | NP | mg/L | |
| p-Cresol | NP | mg/L | |
| Pyridine | NP | mg/L | |
| Silver | NP | mg/L | 3010-7750 |
| Toxaphene | NP | mg/L | |
| Vinyl Chloride | NP | mg/L | |
| Trichloroethylene | NP | mg/L | |
| Tetrachloroethylene | NP | mg/L | |
| 2,4,5-Trichlorophenol | NP | mg/L | |
| 2,4,6-Trichlorophenol | NP | mg/L | |
| Silvex | NP | mg/L | |
| Major components | SN | | |

NP : Test Not Performed

SN : See comment.

Comments:

SAMPLE IS 60% INORGANIC SOIL, 23% ORGANIC SOIL, 16% WATER AND 1% PETROLEUM HYDROCARBONS.

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GS910225 OEHL SAMPLE NO: 91011040
SAMPLE TYPE: SOIL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910227 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|-------------|----------------|--------------|-------------------|
|-------------|----------------|--------------|-------------------|

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:



Michael J. Wantland, MSgt, USAF
NCOIC Technical Operations Branch

REPORT OF ANALYSIS

| | | | |
|----------------------|----------------|-----------------|----------|
| BASE SAMPLE NO: | GS910226 | DEHL SAMPLE NO: | 91011041 |
| SAMPLE TYPE: | SOIL | | |
| SITE IDENTIFIER: | | DATE RECEIVED: | 910308 |
| DATE COLLECTED: | 910227 | DATE REPORTED: | 910531 |
| | | DATE REPRINTED: | 910729 |
| SAMPLE SUBMITTED BY: | 11TH AFMC/SGPB | | |

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> |
|---------------------|----------------|--------------|
| Arsenic | <0.5 | mg/L |
| Chlordane | NP | mg/L |
| Barium | <10.0 | mg/L |
| Benzene | <0.005 | mg/L |
| 2,4-D | NP | mg/L |
| Endrin | NP | mg/L |
| Heptachlor | NP | mg/L |
| Lindane | NP | mg/L |
| Mercury | NP | mg/L |
| Methoxychlor | NP | mg/L |
| Hexachlorobenzene | <.10 | mg/L |
| Hexachlorobutadiene | <.10 | mg/L |
| Hexachloroethane | <.10 | mg/L |
| Lead | <0.5 | mg/L |
| Methyl Ethyl Ketone | 0.32 | mg/L |
| Nitrobenzene | <.10 | mg/L |
| Pentachlorophenol | <.50 | mg/L |
| Selenium | <0.1 | mg/L |
| m-Cresol | <.10 | mg/L |
| o-Cresol | <.10 | mg/L |
| p-Cresol | <.10 | mg/L |
| Pyridine | <.10 | mg/L |
| Toxaphene | NP | mg/L |
| Silvex | NP | mg/L |
| Silver | <0.5 | mg/L |
| Tetrachloroethylene | <0.005 | mg/L |

TO:

AL/DEBE
BROOKS AFB TX 78235-5000

PAGE 1 (Cont'd)

REPORT OF ANALYSIS

SAMPLE SUBMITTED BY: 11TH AFMC/SGPB

RESULTS

NP : Test Not Performed

SN : See comment.

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS. 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GS910226 OEHL SAMPLE NO: 91011041
SAMPLE TYPE: SOIL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910227 DATE REPORTED: 910531
 DATE REPRINTED: 910729
SAMPLE SUBMITTED BY: 11TH AFMC/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> |
|-------------|----------------|--------------|
|-------------|----------------|--------------|

Comments:

SAMPLE SI (TOP 10%) >99% WATER. (BOTTOM 90%) 51% INORGANIC SALTS.
26% SOIL. 21% WATER AND 2% PETROLEUM HYDROCARBONS.
AMENDED REPORT TO REFLECT RESULTS FOR TCLP ANALYSIS.
< - Signifies none detected and the detection limits.
All methods conform to those required by SW 846.

Analized by: Raba-Kistner Consultants, Inc.

Reviewed by: 

Michael J. Wantland, MSot, USAF
NCOIC Technical Operations Branch

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GS910226 OEHL SAMPLE NO: 91011041
SAMPLE TYPE: SOIL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910227 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|----------------------|----------------|--------------|-------------------|
| Arsenic | NP | mg/L | 3020/7060 |
| Barium | NP | mg/L | 3010/7080 |
| Benzene | NP | mg/L | |
| Cadmium | NP | mg/L | 3010/7130 |
| Carbon Tetrachloride | NP | mg/L | |
| Chlordane | NP | mg/L | |
| Chlorobenzene | NP | mg/L | |
| Chloroform | NP | mg/L | |
| Chromium | NP | mg/L | 3010/7190 |
| 1,4-Dichlorobenzene | NP | mg/L | |
| 1,2-Dichloroethane | NP | mg/L | |
| 1,1-Dichloroethene | NP | mg/L | |
| 2,4-D | NP | mg/L | |
| 2,4-Dinitrotoluene | NP | mg/L | |
| Endrin | NP | mg/L | |
| Heptachlor | NP | mg/L | |
| Hexachlorobenzene | NP | mg/L | |
| Hexachlorobutadiene | NP | mg/L | |
| Hexachloroethane | NP | mg/L | |
| Lead | NP | mg/L | 3010/7420 |
| Lindane | NP | mg/L | |
| Mercury | NP | mg/L | 7470 |
| Methoxychlor | NP | mg/L | |
| Methyl Ethyl Ketone | NP | mg/L | |
| Nitrobenzene | NP | mg/L | |
| Pentachlorophenol | NP | mg/L | |
| Selenium | NP | mg/L | 3020/7740 |
| m-Cresol | NP | mg/L | |

TO:

AL/OE8E
BROOKS AFB TX 78235-5000

PAGE 1 (Cont'd)

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GS910226 DEHL SAMPLE NO: 91011041
SAMPLE TYPE: SOIL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910227 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|-----------------------|----------------|--------------|-------------------|
| o-Cresol | NP | mg/L | |
| p-Cresol | NP | mg/L | |
| Pyridine | NP | mg/L | |
| Silver | NP | mg/L | 3010/2760 |
| Toxaphene | NP | mg/L | |
| Vinyl Chloride | NP | mg/L | |
| Trichloroethylene | NP | mg/L | |
| Tetrachloroethylene | NP | mg/L | |
| 2,4,5-Trichlorophenol | NP | mg/L | |
| 2,4,6-Trichlorophenol | NP | mg/L | |
| Silvex | NP | mg/L | |
| Major components | SN | | |

NP : Test Not Performed

SN : See comment.

Comments:

SAMPLE SI (TOP 10%) >99% WATER. (BOTTOM 90%) 51% INORGANIC SALTS,
26% SOIL, 21% WATER AND 2% PETROLEUM HYDROCARBONS.

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

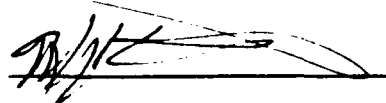
BASE SAMPLE NO: GS910226 OEHL SAMPLE NO: 91011041
SAMPLE TYPE: SOIL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910227 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|-------------|----------------|--------------|-------------------|
|-------------|----------------|--------------|-------------------|

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:



Michael J. Wantland, MSgt, USAF
NCOIC Technical Operations Branch

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910227 OEHL SAMPLE NO: 91011042
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910228 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|----------------------|----------------|--------------|-------------------|
| Methoxychlor | NP | mg/L | |
| Arsenic | <0.5 | mg/L | 3020/7060 |
| Barium | <10.0 | mg/L | 3010/7090 |
| Benzene | <5.0 | mg/L | |
| Cadmium | 0.10 | mg/L | 3010/7130 |
| Carbon Tetrachloride | <5.0 | mg/L | |
| Chlordane | NP | mg/L | |
| Chlorobenzene | <10.0 | mg/L | |
| Chloroform | <5.0 | mg/L | |
| Chromium | <0.5 | mg/L | 3010/7190 |
| m-Cresol | <20. | mg/L | |
| o-Cresol | <20. | mg/L | |
| p-Cresol | <20. | mg/L | |
| 1,4-Dichlorobenzene | <10.0 | mg/L | |
| 1,2-Dichloroethane | <5.0 | mg/L | |
| 1,1-Dichloroethene | <5.0 | mg/L | |
| 2,4-D | NP | mg/L | |
| 2,4-Dinitrotoluene | <10.0 | mg/L | |
| Endrin | NP | mg/L | |
| Heptachlor | NP | mg/L | |
| Hexachlorobenzene | <10.0 | mg/L | |
| Hexachlorobutadiene | <10.0 | mg/L | |
| Hexachloroethane | <10.0 | mg/L | |
| Lead | <0.5 | mg/L | 3010/7420 |
| Lindane | NP | mg/L | |
| Nitrobenzene | <10.0 | mg/L | |
| Mercury | <0.02 | mg/L | 7470 |
| Methyl Ethyl Ketone | <100 | mg/L | |

TO:

AL/OEBE
BROOKS AFB TX 78235-5000

PAGE 1(Cont'd)

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910227 OEHL SAMPLE NO: 91011042
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910228 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|--------------------------|----------------|--------------|-------------------|
| Pentachlorophenol | <10.0 | mg/L | |
| Pyridine | <10.0 | mg/L | |
| Selenium | <0.1 | mg/L | 3020/7740 |
| Silver | <0.5 | mg/L | 3010/7760 |
| Toxaphene | NP | mg/L | |
| Vinyl Chloride | <10.0 | mg/L | |
| Trichloroethylene | <5.0 | mg/L | |
| Tetrachloroethylene | <5.0 | mg/L | |
| 2,4,5-Trichlorophenol | <40. | mg/L | |
| 2,4,6-Trichlorophenol | <10.0 | mg/L | |
| Silvex | NP | mg/L | |
| Flash Point (closed cup) | >200 | degrees F | 1010 |
| Corrosivity | SINC | | 1110 |
| Hydrogen ion (pH) | 6.0 | | 1110 |
| Cyanide (total) | <2.0 | | SW 846 SEC 8.3 |
| Sulfides | <10.0 | mg/L | SW 846 SEC 8.3 |
| Major components | SN | | |

NP : Test Not Performed
SINC : Sample is not corrosive.
SN : See comment.

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910227 DEHL SAMPLE NO: 91011042
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910228 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|-------------|----------------|--------------|-------------------|
|-------------|----------------|--------------|-------------------|

Comments:

SAMPLE IS (TOP 10%) >99% PETROLEUM OIL (MOTOR). (BOTTOM 90%) >99%
WATER.

< - Signifies none detected and the detection limits.

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:



Michael J. Wantland, MSgt, USAF
NCOIC Technical Operations Branch

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910228 OEHL SAMPLE NO: 91011043
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910228 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|--------------------------|----------------|--------------|-------------------|
| Total organic halides | .61 | % | |
| Flash Point (closed cup) | >200 | degrees F | 1010 |
| Aroclor 1016 | <1.0 | mg/kg | |
| Aroclor 1221 | <1.0 | mg/kg | |
| Aroclor 1232 | <1.0 | mg/kg | |
| Aroclor 1242 | <1.0 | mg/kg | |
| Aroclor 1248 | <1.0 | mg/kg | |
| Aroclor 1254 | <1.0 | mg/kg | |
| Aroclor 1260 | <1.0 | mg/kg | |
| Arsenic | <0.02 | mg/L | 3020/7060 |
| Cadmium | 0.24 | mg/L | 3010/7130 |
| Chromium | 9.8 | mg/L | 3010/7190 |
| Lead | 0.35 | mg/L | 3010/7420 |
| Major components | SH | | |

SN : See comment.

Comments:

SAMPLE IS >99% PETROLEUM HYDROCARBONS.

< - Signifies none detected and the detection limits.

TO:

242

AL DEBE
BROOKS AFB TX 78235-5500

PAGE 1 (Cont'd)

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910228 DEHL SAMPLE NO: 91011043
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910228 DATE REPORTED: 9 0031
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|-------------|----------------|--------------|-------------------|
|-------------|----------------|--------------|-------------------|

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by: 

Michael J. Wantland, MSgt, USAF
NCOIC Technical Operations Branch

PAGE 2

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910229 OEHL SAMPLE NO: 91011044
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910228 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|--------------------------|----------------|--------------|-------------------|
| Methoxychlor | NP | mg/L | |
| Flash Point (closed cup) | 92 | degrees F | 1010 |
| Arsenic | <0.5 | mg/L | 3020/7060 |
| Barium | <10.0 | mg/L | 3010/7080 |
| Benzene | <5.0 | mg/L | |
| Cadmium | 0.94 | mg/L | 3010/7130 |
| Carbon Tetrachloride | <5.0 | mg/L | |
| Chlordane | NP | mg/L | |
| Chlorobenzene | <10.0 | mg/L | |
| Chloroform | <5.0 | mg/L | |
| Chromium | <0.5 | mg/L | 3010/7190 |
| m-Cresol | <20. | mg/L | |
| o-Cresol | <20. | mg/L | |
| p-Cresol | <20. | mg/L | |
| 1,4-Dichlorobenzene | <10.0 | mg/L | |
| 1,2-Dichloroethane | <5.0 | mg/L | |
| 1,1-Dichloroethene | <5.0 | mg/L | |
| 2,4-D | NP | mg/L | |
| 2,4-Dinitrotoluene | <10.0 | mg/L | |
| Endrin | NP | mg/L | |
| Heptachlor | NP | mg/L | |
| Hexachlorobenzene | <10.0 | mg/L | |
| Hexachlorobutadiene | <10.0 | mg/L | |
| Hexachloroethane | <10.0 | mg/L | |
| Lead | 2.2 | mg/L | 3010/7420 |
| Lindane | NP | mg/L | |
| Nitrobenzene | <10.0 | mg/L | |
| Mercury | <0.02 | mg/L | 7470 |

TO:

AL/OEBE
BROOKS AFB TX 78235-5000

PAGE 1 (Cont'd)

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910229 OEHL SAMPLE NO: 91011044
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910228 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|-----------------------|----------------|--------------|-------------------|
| Methyl Ethyl Ketone | <100 | mg/L | |
| Pentachlorophenol | <10.0 | mg/L | |
| Pyridine | <10.0 | mg/L | |
| Selenium | <0.1 | mg/L | 3020/7740 |
| Silver | <0.5 | mg/L | 3010/7760 |
| Toxaphene | NP | mg/L | |
| Vinyl Chloride | <10.0 | mg/L | |
| Trichloroethylene | <5.0 | mg/L | |
| Tetrachloroethylene | <5.0 | mg/L | |
| 2,4,5-Trichlorophenol | <40. | mg/L | |
| 2,4,6-Trichlorophenol | <10.0 | mg/L | |
| Silvex | NP | mg/L | |
| Corrosivity | SINC | | 1110 |
| Hydrogen ion (pH) | 7.0 | | 1110 |
| Cyanide (total) | <2.0 | | SW 846 SEC 8.3 |
| Sulfides | <10.0 | mg/L | SW 846 SEC 8.3 |
| Major components | SN | | |

NP : Test Not Performed
SINC : Sample is not corrosive.
SN : See comment.

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910229 OEHL SAMPLE NO: 91011044
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910228 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|-------------|----------------|--------------|-------------------|
|-------------|----------------|--------------|-------------------|

Comments:

SAMPLE IS (TOP 60%) >99% LIGHT PETROLEUM SPIRITS (DEGREASER).
(BOTTOM 40%) 94% WATER AND 6% PETROLEUM HYDROCARBONS.
< - Signifies none detected and the detection limits.

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by: 

Michael J. Wantland, MSgt, USAF
NCOIC Technical Operations Branch

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910230 OEHL SAMPLE NO: 91011045
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910228 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HCSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|----------------------|----------------|--------------|-------------------|
| Lead | 0.22 | mg/L | 3010/7420 |
| Arsenic | <0.5 | mg/L | 3020/7060 |
| Barium | <10.0 | mg/L | 3010/7080 |
| Benzene | 42 | mg/L | |
| Cadmium | <0.1 | mg/L | 3010/7130 |
| Carbon Tetrachloride | 17 | mg/L | |
| Chlordane | NP | mg/L | |
| Chlorobenzene | <10.0 | mg/L | |
| Chloroform | <5.0 | mg/L | |
| Chromium | <0.5 | mg/L | 3010/7190 |
| m-Cresol | <20. | mg/L | |
| o-Cresol | <20. | mg/L | |
| p-Cresol | <20. | mg/L | |
| 1,4-Dichlorobenzene | <10.0 | mg/L | |
| 1,2-Dichloroethane | <5.0 | mg/L | |
| 1,1-Dichloroethene | <5.0 | mg/L | |
| 2,4-D | NP | mg/L | |
| 2,4-Dinitrotoluene | <10.0 | mg/L | |
| Endrin | NP | mg/L | |
| Heptachlor | NP | mg/L | |
| Hexachlorobenzene | <10.0 | mg/L | |
| Hexachlorobutadiene | <10.0 | mg/L | |
| Hexachloroethane | <10.0 | mg/L | |
| Lindane | NP | mg/L | |
| Mercury | <0.02 | mg/L | 7470 |
| Methoxychlor | NP | mg/L | |
| Methyl Ethyl Ketone | <20. | mg/L | |
| Nitrobenzene | <10.0 | mg/L | |

TO:

AL/OEBE
BROOKS AFB TX 78235-5000

PAGE 1(Cont'd)

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910230 OEHL SAMPLE NO: 91011045
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910228 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|--------------------------|----------------|--------------|-------------------|
| Pentachlorophenol | <10.0 | mg/L | |
| Pyridine | <10.0 | mg/L | |
| Selenium | <0.1 | mg/L | 3020/7740 |
| Silver | <0.5 | mg/L | 3010/7760 |
| Toxaphene | NP | mg/L | |
| Vinyl Chloride | <10.0 | mg/L | |
| Trichloroethylene | <5.0 | mg/L | |
| Tetrachloroethylene | <5.0 | mg/L | |
| 2,4,5-Trichlorophenol | <40. | mg/L | |
| 2,4,6-Trichlorophenol | <10.0 | mg/L | |
| Silvex | NP | mg/L | |
| Flash Point (closed cup) | >200 | degrees F | 1010 |
| Corrosivity | SINC | | 1110 |
| Hydrogen ion (pH) | 7.0 | | 1110 |
| Cyanide (total) | <2.0 | | SW 846 SEC 8.3 |
| Sulfides | <10.0 | mg/L | SW 846 SEC 8.3 |
| Major components | SN | | |

NP : Test Not Performed
SINC : Sample is not corrosive.
SN : See comment.

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910230 OEHL SAMPLE NO: 91011045
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910228 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HDSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|-------------|----------------|--------------|-------------------|
|-------------|----------------|--------------|-------------------|

Comments:

SAMPLE IS (TOP 50%) >99% PETROLEUM OIL (MOTOR). (BOTTOM 50%) 95%
WATER AND 5% PETROLEUM FUEL (JET).

< - Signifies none detected and the detection limits.

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:



Michael J. Wantland, MSgt, USAF
NCOIC Technical Operations Branch

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910231 OEHL SAMPLE NO: 91011046
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910228 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|----------------------|----------------|--------------|-------------------|
| Methoxychlor | NP | mg/L | |
| Tetrachloroethylene | 17 | mg/L | |
| Arsenic | <0.5 | mg/L | 3020/7060 |
| Barium | <10.0 | mg/L | 3010/7080 |
| Benzene | 26 | mg/L | |
| Cadmium | <0.1 | mg/L | 3010/7130 |
| Carbon Tetrachloride | <5.0 | mg/L | |
| Chlordane | NP | mg/L | |
| Chlorobenzene | <10.0 | mg/L | |
| Chloroform | <5.0 | mg/L | |
| Chromium | 170 | mg/L | 3010/7190 |
| m-Cresol | <20. | mg/L | |
| o-Cresol | <20. | mg/L | |
| p-Cresol | <20. | mg/L | |
| 1,4-Dichlorobenzene | <10.0 | mg/L | |
| 1,2-Dichloroethane | <5.0 | mg/L | |
| 1,1-Dichloroethene | <5.0 | mg/L | |
| 2,4-D | NP | mg/L | |
| 2,4-Dinitrotoluene | <10.0 | mg/L | |
| Endrin | NP | mg/L | |
| Heptachlor | NP | mg/L | |
| Hexachlorobenzene | <10.0 | mg/L | |
| Hexachlorobutadiene | <10.0 | mg/L | |
| Hexachloroethane | <10.0 | mg/L | |
| Lead | 0.60 | mg/L | 3010/7420 |
| Lindane | NP | mg/L | |
| Nitrobenzene | <10.0 | mg/L | |
| Mercury | <0.02 | mg/L | 7470 |

TO:

AL/OEBE
BROOKS AFB TX 78235-5000

PAGE 1 (Cont'd)

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910231 OEHL SAMPLE NO: 91011046
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910228 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|--------------------------|----------------|--------------|-------------------|
| Methyl Ethyl Ketone | <100 | mg/L | |
| Pentachlorophenol | <10.0 | mg/L | |
| Pyridine | <10.0 | mg/L | |
| Selenium | <0.1 | mg/L | 3020/7740 |
| Silver | <0.5 | mg/L | 3010/7760 |
| Toxaphene | NP | mg/L | |
| Vinyl Chloride | <10.0 | mg/L | |
| Trichloroethylene | <5.0 | mg/L | |
| 2,4,5-Trichlorophenol | <40. | mg/L | |
| 2,4,6-Trichlorophenol | <10.0 | mg/L | |
| Silvex | NP | mg/L | |
| Flash Point (closed cup) | <80 | degrees F | 1010 |
| Corrosivity | SINC | | 1110 |
| Hydrogen ion (pH) | 6.0 | | 1110 |
| Cyanide (total) | <2.0 | | SW 846 SEC 8.3 |
| Sulfides | <2.0 | mg/L | SW 846 SEC 8.3 |
| Major components | SN | | |

NP : Test Not Performed
SINC : Sample is not corrosive.
SN : See comment.

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910231 DEHL SAMPLE NO: 91011046
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910228 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|-------------|----------------|--------------|-------------------|
|-------------|----------------|--------------|-------------------|

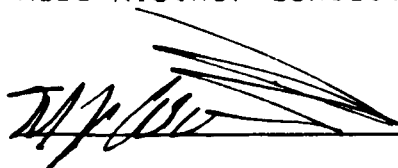
Comments:

SAMPLE IS (TOP 25%) 95% MEK, 3% UNIDENTIFIED AND 2% WATER. (BOTTOM 75%) 100% WATER.

< - Signifies none detected and the detection limits.

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:



Michael J. Wantland, MSgt, USAF
NCOIC Technical Operations Branch

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910232 OEHL SAMPLE NO: 91011047
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910228 DATE REPORTED: 910515
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

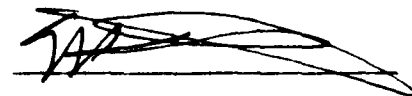
| <u>Test</u> | <u>Results</u> | <u>Units</u> |
|-------------|----------------|--------------|
| Arsenic | <0.5 | mg/L |
| Barium | <10.0 | mg/L |
| Cadmium | 1.5 | mg/L |
| Chromium | <0.5 | mg/L |
| Lead | <0.5 | mg/L |
| Mercury | <0.02 | mg/L |
| Selenium | <0.1 | mg/L |
| Silver | <0.5 | mg/L |

Comments:

- Signifies none detected and the detection limits.
All methods conform to those required by SW 846.

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:



Michael J. Wantland, MSgt, USAF
NCOIC Technical Operations Branch

TO:

Det 6 AL/EO
BROOKS AFB TX 78235-5000

PAGE 1

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GS910234 OEHL SAMPLE NO: 91011048
SAMPLE TYPE: SOIL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910228 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|----------------------|----------------|--------------|-------------------|
| Arsenic | <0.5 | mg/L | 3020/7060 |
| Barium | <10.0 | mg/L | 3010/7080 |
| Benzene | 0.08 | mg/L | |
| Cadmium | <0.1 | mg/L | 3010/7130 |
| Carbon Tetrachloride | <0.05 | mg/L | |
| Chlordane | NP | mg/L | |
| Chlorobenzene | <10.0 | mg/L | |
| Chloroform | <0.5 | mg/L | |
| Chromium | <0.5 | mg/L | 3010/7190 |
| 1,4-Dichlorobenzene | <0.7 | mg/L | |
| 1,2-Dichloroethane | <0.05 | mg/L | |
| 1,1-Dichloroethene | <0.05 | mg/L | |
| 2,4-D | NP | mg/L | |
| 2,4-Dinitrotoluene | <0.02 | mg/L | |
| Endrin | NP | mg/L | |
| Heptachlor | NP | mg/L | |
| Hexachlorobenzene | <0.02 | mg/L | |
| Hexachlorobutadiene | <0.05 | mg/L | |
| Hexachloroethane | <0.3 | mg/L | |
| Lead | <0.5 | mg/L | 3010/7420 |
| Lindane | NP | mg/L | |
| Mercury | <0.02 | mg/L | 7470 |
| Methoxychlor | NP | mg/L | |
| Methyl Ethyl Ketone | <20. | mg/L | |
| Nitrobenzene | <0.2 | mg/L | |
| Pentachlorophenol | <10.0 | mg/L | |
| Selenium | <0.1 | mg/L | 3020/7740 |
| m-Cresol | <20. | mg/L | |

TO:

AL/OEHE
BROOKS AFB TX 78235-5000

PAGE 1 (Cont'd)

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GS910234 OEHL SAMPLE NO: 91011048
SAMPLE TYPE: SOIL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910228 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|--------------------------|----------------|--------------|-------------------|
| o-Cresol | <20. | mg/L | |
| p-Cresol | <20. | mg/L | |
| Pyridine | <0.5 | mg/L | |
| Silver | <0.5 | mg/L | 3010/2760 |
| Toxaphene | NP | mg/L | |
| Vinyl Chloride | <0.02 | mg/L | |
| Trichloroethylene | <0.05 | mg/L | |
| Tetrachloroethylene | <0.05 | mg/L | |
| 2,4,5-Trichlorophenol | <40. | mg/L | |
| 2,4,6-Trichlorophenol | <0.2 | mg/L | |
| Silvex | NP | mg/L | |
| Flash Point (closed cup) | >200 | degrees F | 1010 |
| Corrosivity | SINC | | 1110 |
| Hydrogen ion (pH) | 7.0 | | 1110 |
| Cyanide (total) | <2.0 | | SW 846 SEC 8.3 |
| Sulfides | <10.0 | mg/L | SM 846 SEC 8.3 |
| Major components | SN | | |

NP : Test Not Performed
SINC : Sample is not corrosive.
SN : See comment.

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GS910234 OEHL SAMPLE NO: 91011048
SAMPLE TYPE: SOIL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910228 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS


| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|-------------|----------------|--------------|-------------------|
|-------------|----------------|--------------|-------------------|

Comments:

SAMPLE IS 45% INORGANIC SALTS, 28% PETROLEUM HYDROCARBONS
(DIESEL/JET) AND 27% WATER.
< - Signifies none detected and the detection limits.

Analyzed by: ~~Raba-Kistner Consultants, Inc.~~

Reviewed by:



Michael J. Wantland, MSgt, USAF
NCOIC Technical Operations Branch

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GS910235 OEHL SAMPLE NO: 91011049
SAMPLE TYPE: SOIL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910228 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|----------------------|----------------|--------------|-------------------|
| Arsenic | <0.5 | mg/L | 3020/7060 |
| Barium | <10.0 | mg/L | 3010/7080 |
| Benzene | <0.05 | mg/L | |
| Cadmium | <0.1 | mg/L | 3010/7130 |
| Carbon Tetrachloride | <0.05 | mg/L | |
| Chlordane | NP | mg/L | |
| Chlorobenzene | <10.0 | mg/L | |
| Chloroform | <0.5 | mg/L | |
| Chromium | <0.5 | mg/L | 3010/7190 |
| 1,4-Dichlorobenzene | <0.7 | mg/L | |
| 1,2-Dichloroethane | <0.05 | mg/L | |
| 1,1-Dichloroethene | <0.05 | mg/L | |
| 2,4-D | NP | mg/L | |
| 2,4-Dinitrotoluene | <0.02 | mg/L | |
| Endrin | NP | mg/L | |
| Heptachlor | NP | mg/L | |
| Hexachlorobenzene | <0.02 | mg/L | |
| Hexachlorobutadiene | <0.05 | mg/L | |
| Hexachloroethane | <0.3 | mg/L | |
| Lead | <0.5 | mg/L | 3010/7420 |
| Lindane | NP | mg/L | |
| Mercury | <0.02 | mg/L | 7470 |
| Methoxychlor | NP | mg/L | |
| Methyl Ethyl Ketone | <20. | mg/L | |
| Nitrobenzene | <0.2 | mg/L | |
| Pentachlorophenol | <10.0 | mg/L | |
| Selenium | <0.1 | mg/L | 3020/7740 |
| m-Cresol | <20. | mg/L | |

TO:

AL/OEHE
BROOKS AFB TX 78235-5000

257

PAGE 1 (Cont'd)

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GS910235 OEHL SAMPLE NO: 91011049
SAMPLE TYPE: SOIL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910228 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|--------------------------|----------------|--------------|-------------------|
| o-Cresol | <20. | mg/L | |
| p-Cresol | <20. | mg/L | |
| Pyridine | <0.5 | mg/L | |
| Silver | <0.5 | mg/L | 3010/7760 |
| Toxaphene | NP | mg/L | |
| Vinyl Chloride | <0.02 | mg/L | |
| Trichloroethylene | <0.05 | mg/L | |
| Tetrachloroethylene | <0.05 | mg/L | |
| 2,4,5-Trichlorophenol | <40. | mg/L | |
| 2,4,6-Trichlorophenol | <0.2 | mg/L | |
| Silvex | NP | mg/L | |
| Flash Point (closed cup) | >200 | degrees F | 1010 |
| Corrosivity | SINC | | 1110 |
| Hydrogen ion (pH) | 9.0 | | 1110 |
| Cyanide (total) | <2.0 | | SW 846 SEC 8.3 |
| Sulfides | <10.0 | mg/L | SW 846 SEC 8.3 |
| Major components | SN | | |

NP : Test Not Performed
SINC : Sample is not corrosive.
SN : See comment.

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GS910235 DEHL SAMPLE NO: 91011049
SAMPLE TYPE: SOIL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910228 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HDSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|-------------|----------------|--------------|-------------------|
|-------------|----------------|--------------|-------------------|

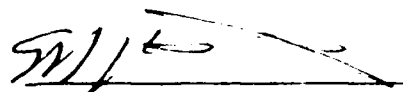
Comments:

SAMPLE IS 43% WATER, 30% INORGANIC SLUDGE, 26% INORGANIC SALTS AND 1% PETROLEUM HYDROCARBONS (MOTOR OIL).

< - Signifies none detected and the detection limits.

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:



Michael J. Wantland, MSgt, USAF
NCOIC Technical Operations Branch

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GS910236 OEHL SAMPLE NO: 91011050
SAMPLE TYPE: SOIL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910228 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|----------------------|----------------|--------------|-------------------|
| Arsenic | <0.5 | mg/L | 3020/7060 |
| Barium | <10.0 | mg/L | 3010/7080 |
| Benzene | <0.05 | mg/L | |
| Cadmium | <0.1 | mg/L | 3010/7130 |
| Carbon Tetrachloride | <0.05 | mg/L | |
| Chlordane | NP | mg/L | |
| Chlorobenzene | <10.0 | mg/L | |
| Chloroform | <0.5 | mg/L | |
| Chromium | <0.5 | mg/L | 3010/7190 |
| 1,4-Dichlorobenzene | <0.7 | mg/L | |
| 1,2-Dichloroethane | <0.05 | mg/L | |
| 1,1-Dichloroethene | <0.05 | mg/L | |
| 2,4-D | NP | mg/L | |
| 2,4-Dinitrotoluene | <0.02 | mg/L | |
| Endrin | NP | mg/L | |
| Heptachlor | NP | mg/L | |
| Hexachlorobenzene | <0.02 | mg/L | |
| Hexachlorobutadiene | <0.05 | mg/L | |
| Hexachloroethane | <0.3 | mg/L | |
| Lead | <0.5 | mg/L | 3010/7420 |
| Lindane | NP | mg/L | |
| Mercury | <0.02 | mg/L | 7470 |
| Methoxychlor | NP | mg/L | |
| Methyl Ethyl Ketone | <20. | mg/L | |
| Nitrobenzene | <0.2 | mg/L | |
| Pentachlorophenol | <10.0 | mg/L | |
| Selenium | <0.1 | mg/L | 3020/7740 |
| m-Cresol | <20. | mg/L | |

TO:

AL/OEBE
BROOKS AFB TX 78235-5000

PAGE 1 (Cont'd)

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GS910236 DEHL SAMPLE NO: 91011050
SAMPLE TYPE: SOIL
SITE IDENTIFIER: DATE RECEIVED: 910303
DATE COLLECTED: 910228 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELME 100PF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|--------------------------|----------------|--------------|-------------------|
| o-Cresol | <20. | mg/L | |
| p-Cresol | <20. | mg/L | |
| Pyridine | <0.5 | mg/L | |
| Silver | <0.5 | mg/L | 3010/7760 |
| Toxaphene | NP | mg/L | |
| Vinyl Chloride | <0.02 | mg/L | |
| Trichloroethylene | <0.05 | mg/L | |
| Tetrachloroethylene | <0.05 | mg/L | |
| 2,4,5-Trichlorophenol | <40. | mg/L | |
| 2,4,6-Trichlorophenol | <0.2 | mg/L | |
| Silvex | NP | mg/L | |
| Flash Point (closed cup) | >200 | degrees F | 1010 |
| Corrosivity | SINC | | 1110 |
| Hydrogen ion (pH) | 10.0 | | 1110 |
| Cyanide (total) | <2.0 | | 84 846 SED 8.3 |
| Sulfides | <10.0 | mg/L | 84 846 SED 8.3 |
| Major components | SN | | |

NP : Test Not Performed
SINC : Sample is not corrosive.
SN : See comment.

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GS910236 DEAL SAMPLE NO: 91011050
SAMPLE TYPE: SOIL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910328 DATE REPORTED: 910511
SAMPLE SUBMITTED BY: USAF RGN HHSB ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|-------------|----------------|--------------|-------------------|
|-------------|----------------|--------------|-------------------|

Comments:

SAMPLE IS 70% WATER, 24% AMMONIA COMPOUNDS, 5% INORGANIC SALTS AND 1% PETROLEUM HYDROCARBONS (LIGHT OIL).

- Signifies none detected and the detection limits.

Analyzed by: Paba-Kistner Consultants, Inc.

Reviewed by: 

Michael J. Wantland, MSgt, USAF
HDDIC Technical Operations Branch

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: 68910237 DEHL SAMPLE NO: 91011051
SAMPLE TYPE: SOIL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910228 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|----------------------|----------------|--------------|-------------------|
| Arsenic | <0.5 | mg/L | 3020-7060 |
| Barium | <10.0 | mg/L | 3010-7080 |
| Benzene | 36 | mg/L | |
| Cadmium | <0.1 | mg/L | 3010-7130 |
| Carbon Tetrachloride | <5.0 | mg/L | |
| Chlordane | NP | mg/L | |
| Chlorobenzene | <10.0 | mg/L | |
| Chloroform | <5.0 | mg/L | |
| Chromium | <0.5 | mg/L | 3010-7170 |
| 1,4-Dichlorobenzene | <10.0 | mg/L | |
| 1,2-Dichloroethane | 5.0 | mg/L | |
| 1,1-Dichloroethene | 5.0 | mg/L | |
| 2,4-D | NP | mg/L | |
| 2,4-Dinitrotoluene | <10.0 | mg/L | |
| Endrin | NP | mg/L | |
| Heptachlor | NP | mg/L | |
| Hexachlorobenzene | 10.0 | mg/L | |
| Hexachlorobutadiene | <10.0 | mg/L | |
| Hexachloroethane | 10.0 | mg/L | |
| Lead | <0.5 | mg/L | 3010-7420 |
| Lindane | NP | mg/L | |
| Mercury | <0.02 | mg/L | 7470 |
| Methoxychlor | NP | mg/L | |
| Methyl Ethyl Ketone | <100 | mg/L | |
| Nitrobenzene | <10.0 | mg/L | |
| Pentachlorophenol | <10.0 | mg/L | |
| Selenium | <0.1 | mg/L | 3020-7740 |
| m-Cresol | <20. | mg/L | |

TD:

AL 1088E
BROOKS AFB TX 78235-5501

PAGE 11 Cont'd

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: 66910037 DEHL SAMPLE NO: 91011051
SAMPLE TYPE: SOIL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910228 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|--------------------------|----------------|--------------|-------------------|
| o-Cresol | <20. | mg/L | |
| p-Cresol | <20. | mg/L | |
| Pyridine | 10.0 | mg/L | |
| Silver | <0.5 | mg/L | 3010/7760 |
| Toxaphene | NP | mg/L | |
| Vinyl Chloride | <10.0 | mg/L | |
| Trichloroethylene | 8.6 | mg/L | |
| Tetrachloroethylene | 5.0 | mg/L | |
| 2,4,5-Trichlorophenol | <40. | mg/L | |
| 2,4,6-Trichlorophenol | <10.0 | mg/L | |
| Silvex | NP | mg/L | |
| Flash Point (closed cup) | <200 | degrees F | 1010 |
| Corrosivity | SINC | | 1110 |
| Hydrogen ion (pH) | 6.0 | | 1110 |
| Cyanide (total) | 2.0 | | SW 846 SEC 8.3 |
| Sulfides | <10.0 | mg/L | SW 846 SEC 8.3 |
| Major components | SN | | |

NP : Test Not Performed
SINC : Sample is not corrosive.
SN : See comment.

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GS910237 DEHL SAMPLE NO: 91011051
SAMPLE TYPE: SOIL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910228 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|-------------|----------------|--------------|-------------------|
|-------------|----------------|--------------|-------------------|

Comments:

SAMPLE IS 99% WATER.

ND - Signifies none detected and the detection limits.

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by: 

Michael J. Wantland, MSgt. USAF
NTOIC Technical Operation- Branch

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GS910238 OEHL SAMPLE NO: 91011092
SAMPLE TYPE: SOIL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910228 DATE REPORTED: 910931
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPS

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|----------------------|----------------|--------------|-------------------|
| Methoxychlor | NP | mg/L | |
| Arsenic | <0.5 | mg/L | 3020/7060 |
| Barium | <10.0 | mg/L | 3010/7080 |
| Benzene | <5.0 | mg/L | |
| Cadmium | <0.1 | mg/L | 3010/7130 |
| Carbon Tetrachloride | <5.0 | mg/L | |
| Chlordane | NP | mg/L | |
| Chlorobenzene | <10.0 | mg/L | |
| Chloroform | <5.0 | mg/L | |
| Chromium | <0.5 | mg/L | 3010/7190 |
| 1,4-Dichlorobenzene | <0.7 | mg/L | |
| 1,2-Dichloroethane | <5.0 | mg/L | |
| 1,1-Dichloroethene | <5.0 | mg/L | |
| 2,4-D | NP | mg/L | |
| 2,4-Dinitrotoluene | <0.02 | mg/L | |
| Endrin | NP | mg/L | |
| Heptachlor | NP | mg/L | |
| Hexachlorobenzene | <0.02 | mg/L | |
| Hexachlorobutadiene | <0.05 | mg/L | |
| Hexachloroethane | <0.3 | mg/L | |
| Lead | <0.5 | mg/L | 3010/7420 |
| Lindane | NP | mg/L | |
| Mercury | <0.02 | mg/L | 7470 |
| Methyl Ethyl Ketone | <100 | mg/L | |
| Nitrobenzene | <0.2 | mg/L | |
| Pentachlorophenol | <10.0 | mg/L | |
| Selenium | <0.1 | mg/L | 3020/7740 |
| m-Cresol | <20. | mg/L | |

TO:

AIR FORCE
BROOKS AFB TX 78235-5000

PAGE 1 (Cont'd)

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GS910238 OEHL SAMPLE NO: 91011052
SAMPLE TYPE: SOIL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910228 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|--------------------------|----------------|--------------|-------------------|
| o-Cresol | <20. | mg/L | |
| p-Cresol | <20. | mg/L | |
| Pyridine | <0.5 | mg/L | |
| Silver | <0.5 | mg/L | 3010/7760 |
| Toxaphene | NP | mg/L | |
| Vinyl Chloride | <10.0 | mg/L | |
| Trichloroethylene | <5.0 | mg/L | |
| Tetrachloroethylene | <5.0 | mg/L | |
| 2,4,5-Trichlorophenol | <40. | mg/L | |
| 2,4,6-Trichlorophenol | <0.2 | mg/L | |
| Silvex | NP | mg/L | |
| Flash Point (closed cup) | >200 | degrees F | 1010 |
| Corrosivity | SINC | | 1110 |
| Hydrogen ion (pH) | 7.0 | | 1110 |
| Cyanide (total) | <2.0 | | SW 846 SEC 8.3 |
| Sulfides | <10.0 | mg/L | SW 846 SEC 8.3 |
| Major components | SN | | |

NP : Test Not Performed
SINC : Sample is not corrosive.
SN : See comment.

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GS910238 DEHL SAMPLE NO: 91011052
SAMPLE TYPE: SOIL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910228 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|-------------|----------------|--------------|-------------------|
|-------------|----------------|--------------|-------------------|

Comments:

SAMPLE IS 48% INORGANIC MATERIAL, 34% WATER, 17% PAINT RESINS AND 1% PETROLEUM HYDROCARBONS.
< - Signifies none detected and the detection limits.

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by: 

Michael J. Wantland, MSgt, USAF
NCOIC Technical Operations Branch

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GS910239 OEHL SAMPLE NO: 91011053
SAMPLE TYPE: SOIL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910228 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|----------------------|----------------|--------------|-------------------|
| Arsenic | <0.5 | mg/L | 3020/7060 |
| Barium | <10.0 | mg/L | 3010/7080 |
| Benzene | 12 | mg/L | |
| Cadmium | <0.1 | mg/L | 3010/7130 |
| Carbon Tetrachloride | <0.05 | mg/L | |
| Chlordane | NP | mg/L | |
| Chlorobenzene | <10.0 | mg/L | |
| Chloroform | <0.5 | mg/L | |
| Chromium | <0.5 | mg/L | 3010/7190 |
| 1,4-Dichlorobenzene | <0.7 | mg/L | |
| 1,2-Dichloroethane | <0.05 | mg/L | |
| 1,1-Dichloroethene | <0.05 | mg/L | |
| 2,4-D | NP | mg/L | |
| 2,4-Dinitrotoluene | <0.02 | mg/L | |
| Endrin | NP | mg/L | |
| Heptachlor | NP | mg/L | |
| Hexachlorobenzene | <0.02 | mg/L | |
| Hexachlorobutadiene | <0.05 | mg/L | |
| Hexachloroethane | <0.3 | mg/L | |
| Lead | <0.5 | mg/L | 3010/7420 |
| Lindane | NP | mg/L | |
| Mercury | <0.02 | mg/L | 7470 |
| Methoxychlor | NP | mg/L | |
| Methyl Ethyl Ketone | <20. | mg/L | |
| Nitrobenzene | <0.2 | mg/L | |
| Pentachlorophenol | <10.0 | mg/L | |
| Selenium | <0.1 | mg/L | 3020/7740 |
| m-Cresol | <20. | mg/L | |

TO:

AL/OEBE
BROOKS AFB TX 78235-5000

PAGE 1 (Cont'd)

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GS910239 OEHL SAMPLE NO: 91011053
SAMPLE TYPE: SOIL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910228 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|--------------------------|----------------|--------------|-------------------|
| o-Cresol | <20. | mg/L | |
| p-Cresol | <20. | mg/L | |
| Pyridine | <0.5 | mg/L | |
| Silver | <0.5 | mg/L | 3010/7760 |
| Toxaphene | NP | mg/L | |
| Vinyl Chloride | <0.02 | mg/L | |
| Trichloroethylene | <0.05 | mg/L | |
| Tetrachloroethylene | <0.05 | mg/L | |
| 2,4,5-Trichlorophenol | <40. | mg/L | |
| 2,4,6-Trichlorophenol | <0.2 | mg/L | |
| Silvex | NP | mg/L | |
| Flash Point (closed cup) | >200 | degrees F | 1010 |
| Corrosivity | SINC | | 1110 |
| Hydrogen ion (pH) | 7.0 | | 1110 |
| Cyanide (total) | <2.0 | | SW 846 SEC 8.3 |
| Sulfides | <10.0 | mg/L | SW 846 SEC 8.3 |
| Major components | SN | | |

NP : Test Not Performed
SINC : Sample is not corrosive.
SN : See comment.

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GS910239 OEHL SAMPLE NO: 91011053
SAMPLE TYPE: SOIL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910228 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF AFB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|-------------|----------------|--------------|-------------------|
|-------------|----------------|--------------|-------------------|

Comments:

SAMPLE IS 41% WATER, 33% INORGANIC SALTS AND 26% ORGANIC SOIL (HUMIS).

< - Signifies none detected and the detection limits.

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by: 

Michael J. Wantland, MSgt, USAF
NCOIC Technical Operations Branch

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GS910240 OEHL SAMPLE NO: 91011054
SAMPLE TYPE: SOIL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910228 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|----------------------|----------------|--------------|-------------------|
| Arsenic | <0.5 | mg/L | 3020/7060 |
| Barium | <10.0 | mg/L | 3010/7080 |
| Benzene | <0.05 | mg/L | |
| Cadmium | <0.1 | mg/L | 3010/7130 |
| Carbon Tetrachloride | <0.05 | mg/L | |
| Chlordane | NP | mg/L | |
| Chlorobenzene | <10.0 | mg/L | |
| Chloroform | <0.5 | mg/L | |
| Chromium | <0.5 | mg/L | 3010/7190 |
| 1,4-Dichlorobenzene | <0.7 | mg/L | |
| 1,2-Dichloroethane | <0.05 | mg/L | |
| 1,1-Dichloroethene | <0.05 | mg/L | |
| 2,4-D | NP | mg/L | |
| 2,4-Dinitrotoluene | <0.02 | mg/L | |
| Endrin | NP | mg/L | |
| Heptachlor | NP | mg/L | |
| Hexachlorobenzene | <0.02 | mg/L | |
| Hexachlorobutadiene | <0.05 | mg/L | |
| Hexachloroethane | <0.3 | mg/L | |
| Lead | <0.5 | mg/L | 3010/7420 |
| Lindane | NP | mg/L | |
| Mercury | <0.02 | mg/L | 7470 |
| Methoxychlor | NP | mg/L | |
| Methyl Ethyl Ketone | <20. | mg/L | |
| Nitrobenzene | <0.2 | mg/L | |
| Pentachlorophenol | <10.0 | mg/L | |
| Selenium | <0.1 | mg/L | 3020/7740 |
| m-Cresol | <20. | mg/L | |

TO:

AL/OEBE
BROOKS AFB TX 78235-5000

PAGE 1 (Cont'd)

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GS910240 DEHL SAMPLE NO: 91011054
SAMPLE TYPE: SOIL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910228 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HDSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|--------------------------|----------------|--------------|-------------------|
| o-Cresol | <20. | mg/L | |
| p-Cresol | <20. | mg/L | |
| Pyridine | <0.5 | mg/L | |
| Silver | <0.5 | mg/L | 3010/2760 |
| Toxaphene | NP | mg/L | |
| Vinyl Chloride | <0.02 | mg/L | |
| Trichloroethylene | <0.05 | mg/L | |
| Tetrachloroethylene | <0.05 | mg/L | |
| 2,4,5-Trichlorophenol | <40. | mg/L | |
| 2,4,6-Trichlorophenol | <0.2 | mg/L | |
| Silvex | NP | mg/L | |
| Flash Point (closed cup) | >200 | degrees F | 1010 |
| Corrosivity | SINC | | 1110 |
| Hydrogen ion (pH) | 7.0 | | 1110 |
| Cyanide (total) | <2.0 | | SW 846 SEC 8.3 |
| Sulfides | <10.0 | mg/L | SM 846 SEC 8.3 |
| Major components | SN | | |

NP : Test Not Performed
SINC : Sample is not corrosive.
SN : See comment.

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GS910240 OEHL SAMPLE NO: 91011054
SAMPLE TYPE: SOIL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910228 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|-------------|----------------|--------------|-------------------|
|-------------|----------------|--------------|-------------------|

Comments:

SAMPLE IS 52% INORGANIC MATERIAL, 36% ORGANIC SOIL (HUMIS) AND 12% WATER.

< - Signifies none detected and the detection limits.

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by: 

Michael J. Wantland, MSgt, USAF
NCOIC Technical Operations Branch

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910241 OEHL SAMPLE NO: 91011055
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910301 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|----------------------|----------------|--------------|-------------------|
| Methoxychlor | NP | mg/L | |
| Arsenic | <0.5 | mg/L | 3020/7060 |
| Barium | <10.0 | mg/L | 3010/7080 |
| Benzene | 66 | mg/L | |
| Cadmium | <0.1 | mg/L | 3010/7130 |
| Carbon Tetrachloride | <5.0 | mg/L | |
| Chlordane | NP | mg/L | |
| Chlorobenzene | <10.0 | mg/L | |
| Chloroform | <5.0 | mg/L | |
| Chromium | <0.5 | mg/L | 3010/7190 |
| m-Cresol | <20. | mg/L | |
| o-Cresol | <20. | mg/L | |
| p-Cresol | <20. | mg/L | |
| 1,4-Dichlorobenzene | <10.0 | mg/L | |
| 1,2-Dichloroethane | <5.0 | mg/L | |
| 1,1-Dichloroethene | <5.0 | mg/L | |
| 2,4-D | NP | mg/L | |
| 2,4-Dinitrotoluene | <10.0 | mg/L | |
| Endrin | NP | mg/L | |
| Heptachlor | NP | mg/L | |
| Hexachlorobenzene | <10.0 | mg/L | |
| Hexachlorobutadiene | <10.0 | mg/L | |
| Hexachloroethane | <10.0 | mg/L | |
| Lead | <0.5 | mg/L | 3010/7420 |
| Lindane | NP | mg/L | |
| Nitrobenzene | <10.0 | mg/L | |
| Mercury | <0.02 | mg/L | 7470 |
| Methyl Ethyl Ketone | <100 | mg/L | |

TO:

AL/DEBE
BROOKS AFB TX 78235-5000

PAGE 1 (Cont'd)

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910241 OEHL SAMPLE NO: 91011055
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910301 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|--------------------------|----------------|--------------|-------------------|
| Pentachlorophenol | <10.0 | mg/L | |
| Pyridine | <10.0 | mg/L | |
| Selenium | <0.1 | mg/L | 3020/7740 |
| Silver | <0.5 | mg/L | 3010/7760 |
| Toxaphene | NP | mg/L | |
| Vinyl Chloride | <10.0 | mg/L | |
| Trichloroethylene | <5.0 | mg/L | |
| Tetrachloroethylene | <5.0 | mg/L | |
| 2,4,5-Trichlorophenol | <40. | mg/L | |
| 2,4,6-Trichlorophenol | <10.0 | mg/L | |
| Silvex | NP | mg/L | |
| Flash Point (closed cup) | >200 | degrees F | 1010 |
| Corrosivity | SINC | | 1110 |
| Hydrogen ion (pH) | 6.0 | | 1110 |
| Cyanide (total) | <2.0 | | SW 846 SEC 8.3 |
| Sulfides | <10.0 | mg/L | SW 846 SEC 8.3 |
| Major components | SN | | |

NP : Test Not Performed
SINC : Sample is not corrosive.
SN : See comment.

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910241 DEHL SAMPLE NO: 91011055
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910301 DATE REPORTED: 910571
SAMPLE SUBMITTED BY: USAF RGN HDSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|-------------|----------------|--------------|-------------------|
|-------------|----------------|--------------|-------------------|

Comments:

SAMPLE IS (TOP 20%) >99% PETROLEUM HYDROCARBONS (LIGHT OIL). (BOTTOM 80%) >99% WATER.

< - Signifies none detected and the detection limits.

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by: 

Michael J. Wantland, MSgt, USAF
NCOIC Technical Operations Branch

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910242 OEHL SAMPLE NO: 91011056
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910301 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|--------------------------|----------------|--------------|-------------------|
| Total organic halides | 0.036 | % | |
| Flash Point (closed cup) | >200 | degrees F | 1010 |
| Corrosivity | NP | | 1110 |
| Arsenic | <0.02 | mg/L | 3020/7060 |
| Barium | NP | mg/L | 3010/7080 |
| Cadmium | <0.2 | mg/L | 3010/7130 |
| Chromium | <0.25 | mg/L | 3010/7190 |
| Lead | <0.25 | mg/L | 3010/7420 |
| Mercury | NP | mg/L | 7470 |
| Selenium | NP | mg/L | 3020/7740 |
| Silver | NP | mg/L | 3010/7760 |
| Hydrogen ion (pH) | NP | | 1110 |
| Cyanide (total) | NP | | SW 846 SEC 8.3 |
| Sulfides | NP | mg/L | SW 846 SEC 8.3 |
| Aroclor 1016 | <1.0 | mg/kg | |
| Aroclor 1221 | <1.0 | mg/kg | |
| Aroclor 1232 | <1.0 | mg/kg | |
| Aroclor 1242 | <1.0 | mg/kg | |
| Aroclor 1248 | <1.0 | mg/kg | |
| Aroclor 1254 | <1.0 | mg/kg | |
| Aroclor 1260 | <1.0 | mg/kg | |
| Major components | SN | | |

SN : See comment.
NP : Test Not Performed

TO:

278

AL/DEBE
BROOKS AFB TX 78235-5501

PAGE 1 (Cont'd)

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910242 OEHL SAMPLE NO: 91011056
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910301 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HDSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|-------------|----------------|--------------|-------------------|
|-------------|----------------|--------------|-------------------|

Comments:

SAMPLE IS 89% PETROLEUM HYDROCARBONS, 7% SURFACTANTS AND 7% WATER.
< - Signifies none detected and the detection limits.

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by: 

Michael J. Wantland, MSgt, USAF
NCOIC Technical Operations Branch

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GC910243 OEHL SAMPLE NO: 91011057
SAMPLE TYPE: UNCLASSIFIED
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910301 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENTDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|----------------------|----------------|--------------|-------------------|
| Lead | <0.5 | mg/L | 3010/7420 |
| Arsenic | <0.5 | mg/L | 3020/7060 |
| Barium | <10.0 | mg/L | 3010/7080 |
| Benzene | 53 | mg/L | |
| Cadmium | 0.50 | mg/L | 3010/7130 |
| Carbon Tetrachloride | 120 | mg/L | |
| Chlordane | NP | mg/L | |
| Chlorobenzene | <10.0 | mg/L | |
| Chloroform | <5.0 | mg/L | |
| Chromium | <0.5 | mg/L | 3010.7190 |
| m-Cresol | <20. | mg/L | |
| o-Cresol | <20. | mg/L | |
| p-Cresol | <20. | mg/L | |
| 1,4-Dichlorobenzene | <10.0 | mg/L | |
| 1,2-Dichloroethane | <5.0 | mg/L | |
| 1,1-Dichloroethene | <33 | mg/L | |
| 2,4-D | NP | mg/L | |
| 2,4-Dinitrotoluene | <10.0 | mg/L | |
| Endrin | NP | mg/L | |
| Heptachlor | NP | mg/L | |
| Hexachlorobenzene | <10.0 | mg/L | |
| Hexachlorobutadiene | <10.0 | mg/L | |
| Hexachloroethane | <10.0 | mg/L | |
| Lindane | NP | mg/L | |
| Mercury | <0.02 | mg/L | 7470 |
| Methoxychlor | NP | mg/L | |
| Methyl Ethyl Ketone | <100 | mg/L | |
| Nitrobenzene | <10.0 | mg/L | |

TO:

AL/OEBE
BROOKS AFB TX 78235-5000

PAGE 1 (Cont'd)

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GC910243 DEHL SAMPLE NO: 91011057
SAMPLE TYPE: UNCLASSIFIED
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910301 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|--------------------------|----------------|--------------|-------------------|
| Pentachlorophenol | <10.0 | mg/L | |
| Pyridine | <10.0 | mg/L | |
| Selenium | <0.1 | mg/L | 3020/2740 |
| Silver | <0.5 | mg/L | 3010/2760 |
| Toxaphene | NP | mg/L | |
| Vinyl Chloride | <10.0 | mg/L | |
| Trichloroethylene | <5.0 | mg/L | |
| Tetrachloroethylene | <5.0 | mg/L | |
| 2,4,5-Trichlorophenol | <40. | mg/L | |
| 2,4,6-Trichlorophenol | <10.0 | mg/L | |
| Silvex | NP | mg/L | |
| Flash Point (closed cup) | >200 | degrees F | 1010 |
| Corrosivity | SINC | | 1110 |
| Hydrogen ion (pH) | 6.0 | | 1110 |
| Cyanide (total) | <2.0 | | SW 846 SEC 8.3 |
| Sulfides | <10.0 | mg/L | SW 846 SEC 8.3 |
| Major components | SN | | |

NP : Test Not Performed

SINC : Sample is not corrosive.

SN : See comment.

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GC910243 DEHL SAMPLE NO: 91011057
SAMPLE TYPE: UNCLASSIFIED
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910301 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS


| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|-------------|----------------|--------------|-------------------|
|-------------|----------------|--------------|-------------------|

Comments:

SAMPLE IS 59% WATER, 39% METHANOL AND 2% ORGANIC SOIL (HUMIS).
< - Signifies none detected and the detection limits.

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:



Michael J. Wantland, MSgt, USAF
NCOIC Technical Operations Branch

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GC910244 DEHL SAMPLE NO: 91011058
SAMPLE TYPE: UNCLASSIFIED
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910301 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|----------------------|----------------|--------------|-------------------|
| Lindane | NP | mg/L | |
| Arsenic | <0.5 | mg/L | 3020/7060 |
| Barium | 19 | mg/L | 3010/7080 |
| Benzene | 940 | mg/L | |
| Cadmium | 0.75 | mg/L | 3010/7130 |
| Carbon Tetrachloride | <5.0 | mg/L | |
| Chlordane | NP | mg/L | |
| Chlorobenzene | <10.0 | mg/L | |
| Chloroform | <5.0 | mg/L | |
| Chromium | <0.5 | mg/L | 3010/7190 |
| m-Cresol | <20. | mg/L | |
| o-Cresol | <20. | mg/L | |
| p-Cresol | <20. | mg/L | |
| 1,4-Dichlorobenzene | <10.0 | mg/L | |
| 1,2-Dichloroethane | <5.0 | mg/L | |
| 1,1-Dichloroethene | <5.0 | mg/L | |
| 2,4-D | NP | mg/L | |
| 2,4-Dinitrotoluene | <10.0 | mg/L | |
| Endrin | NP | mg/L | |
| Heptachlor | NP | mg/L | |
| Hexachlorobenzene | <10.0 | mg/L | |
| Hexachlorobutadiene | <10.0 | mg/L | |
| Hexachloroethane | <10.0 | mg/L | |
| Lead | <0.5 | mg/L | 3010/7420 |
| Mercury | <0.02 | mg/L | 7470 |
| Methoxychlor | NP | mg/L | |
| Methyl Ethyl Ketone | <100 | mg/L | |
| Nitrobenzene | <10.0 | mg/L | |

TO:

AL/DEBE
BROOKS AFB TX 78235-5000

PAGE 1(Cont'd)

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GC910244 OEHL SAMPLE NO: 91011058
SAMPLE TYPE: UNCLASSIFIED
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910301 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|--------------------------|----------------|--------------|-------------------|
| Pentachlorophenol | <10.0 | mg/L | |
| Pyridine | <10.0 | mg/L | |
| Selenium | <0.1 | mg/L | 3020/7740 |
| Silver | <0.5 | mg/L | 3010/7760 |
| Toxaphene | NP | mg/L | |
| Vinyl Chloride | <10.0 | mg/L | |
| Trichloroethylene | <5.0 | mg/L | |
| Tetrachloroethylene | <5.0 | mg/L | |
| 2,4,5-Trichlorophenol | <40. | mg/L | |
| 2,4,6-Trichlorophenol | <10.0 | mg/L | |
| Silvex | NP | mg/L | |
| Flash Point (closed cup) | >200 | degrees F. | 1010 |
| Corrosivity | SINC | | 1110 |
| Hydrogen ion (pH) | 6.0 | | 1110 |
| Cyanide (total) | <2.0 | | SW 846 SEC 8.3 |
| Sulfides | <10.0 | mg/L | SW 846 SEC 8.3 |
| Major components | SN | | |

NP : Test Not Performed
SINC : Sample is not corrosive.
SN : See comment.

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GC910244 DEHL SAMPLE NO: 91011058
SAMPLE TYPE: UNCLASSIFIED
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910301 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HDSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|-------------|----------------|--------------|-------------------|
|-------------|----------------|--------------|-------------------|

Comments:

SAMPLE IS (TOP 80%) >99% PETROLEUM HYDROCARBONS (ALKANES). (BOTTOM 20%) >99% WATER.
< - Signifies none detected and the detection limits.

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:



Michael J. Wantland, MSgt, USAF
NCOIC Technical Operations Branch

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910245 DEHL SAMPLE NO: 91011059
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910301 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HDSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|--------------------------|----------------|--------------|-------------------|
| Total organic halides | <0.03 | % | |
| Flash Point (closed cup) | >200 | degrees F | 1010 |
| Aroclor 1016 | <1.0 | mg/kg | |
| Aroclor 1221 | <1.0 | mg/kg | |
| Aroclor 1232 | <1.0 | mg/kg | |
| Aroclor 1242 | <1.0 | mg/kg | |
| Aroclor 1248 | <1.0 | mg/kg | |
| Aroclor 1254 | <1.0 | mg/kg | |
| Aroclor 1260 | <1.0 | mg/kg | |
| Arsenic | <0.02 | mg/L | 3020/2060 |
| Cadmium | <0.2 | mg/L | 3010/2130 |
| Chromium | <0.25 | mg/L | 3010/2190 |
| Lead | <0.25 | mg/L | 3010/2420 |
| Major components | SN | | |

SN : See comment.

Comments:

SAMPLE IS 91% PETROLEUM HYDROCARBONS AND 9% SURFACTANTS.
< - Signifies none detected and the detection limits.

TO:

286

AL/OE8E
BROOKS AFB TX 78235-5000

PAGE 1 (Continued)

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910245 OEHL SAMPLE NO: 91011059
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910301 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HDSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|-------------|----------------|--------------|-------------------|
|-------------|----------------|--------------|-------------------|

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by: 

Michael J. Wantland, MSgt, USAF
NCOIC Technical Operations Branch

PAGE 2

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GC910246 DEHL SAMPLE NO: 91011060
SAMPLE TYPE: UNCLASSIFIED
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910301 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|----------------------|----------------|--------------|-------------------|
| Methoxychlor | NP | mg/L | |
| Arsenic | <0.5 | mg/L | 3020/7060 |
| Barium | <10.0 | mg/L | 3010/7080 |
| Benzene | <5.0 | mg/L | |
| Cadmium | 0.14 | mg/L | 3010/7130 |
| Carbon Tetrachloride | <5.0 | mg/L | |
| Chlordane | NP | mg/L | |
| Chlorobenzene | <10.0 | mg/L | |
| Chloroform | <5.0 | mg/L | |
| Chromium | <0.5 | mg/L | 3010/7190 |
| m-Cresol | <20. | mg/L | |
| o-Cresol | <20. | mg/L | |
| p-Cresol | <20. | mg/L | |
| 1,4-Dichlorobenzene | <10.0 | mg/L | |
| 1,2-Dichloroethane | <5.0 | mg/L | |
| 1,1-Dichloroethene | <5.0 | mg/L | |
| 2,4-D | NP | mg/L | |
| 2,4-Dinitrotoluene | <10.0 | mg/L | |
| Endrin | NP | mg/L | |
| Heptachlor | NP | mg/L | |
| Hexachlorobenzene | <10.0 | mg/L | |
| Hexachlorobutadiene | <10.0 | mg/L | |
| Hexachloroethane | <10.0 | mg/L | |
| Lead | <0.5 | mg/L | 3010/7420 |
| Lindane | NP | mg/L | |
| Methyl Ethyl Ketone | <20. | mg/L | |
| Mercury | <0.02 | mg/L | 7470 |
| Nitrobenzene | <10.0 | mg/L | |

TO:

AL/DEBE
BROOKS AFB TX 78235-5000

PAGE 1 (Cont'd)

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GC910246 OEHL SAMPLE NO: 91011060
SAMPLE TYPE: UNCLASSIFIED
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910301 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|--------------------------|----------------|--------------|-------------------|
| Pentachlorophenol | <10.0 | mg/L | |
| Pyridine | <10.0 | mg/L | |
| Selenium | <0.1 | mg/L | 3020/7740 |
| Silver | <0.5 | mg/L | 3010/7760 |
| Toxaphene | NP | mg/L | |
| Vinyl Chloride | <10.0 | mg/L | |
| Trichloroethylene | <5.0 | mg/L | |
| Tetrachloroethylene | <5.0 | mg/L | |
| 2,4,5-Trichlorophenol | <40. | mg/L | |
| 2,4,6-Trichlorophenol | <10.0 | mg/L | |
| Silvex | NP | mg/L | |
| Flash Point (closed cup) | >200 | degrees F | 1010 |
| Corrosivity | SINC | | 1110 |
| Hydrogen ion (pH) | 6.0 | | 1110 |
| Sulfides | <10.0 | mg/L | SW 846 SEC 8.3 |
| Cyanide (total) | <2.0 | | SW 846 SEC 8.3 |
| Major components | SN | | |

NP : Test Not Performed

SINC : Sample is not corrosive.

SN : See comment.

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GC910246 DEHL SAMPLE NO: 91011060
SAMPLE TYPE: UNCLASSIFIED
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910301 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|-------------|----------------|--------------|-------------------|
|-------------|----------------|--------------|-------------------|

Comments:

SAMPLE IS (TOP 50%) >995 PETROLEUM HYDROCARBONS (ALKANES). (BOTTOM 50%) >99% WATER.

< - Signifies none detected and the detection limits.

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by: 

Michael J. Wantland, MSgt, USAF
NCOIC Technical Operations Branch

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910247 OEHL SAMPLE NO: 91011061
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910301 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HDSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|----------------------|----------------|--------------|-------------------|
| Lead | <0.5 | mg/L | 3010/7420 |
| Arsenic | <0.5 | mg/L | 3020/7060 |
| Barium | <10.0 | mg/L | 3010/7080 |
| Benzene | 79 | mg/L | |
| Cadmium | <0.1 | mg/L | 3010/7130 |
| Carbon Tetrachloride | <5.0 | mg/L | |
| Chlordane | NP | mg/L | |
| Chlorobenzene | <10.0 | mg/L | |
| Chloroform | <5.0 | mg/L | |
| Chromium | <0.5 | mg/L | 3010/7190 |
| m-Cresol | <20. | mg/L | |
| o-Cresol | <20. | mg/L | |
| p-Cresol | <20. | mg/L | |
| 1,4-Dichlorobenzene | <10.0 | mg/L | |
| 1,2-Dichloroethane | <5.0 | mg/L | |
| 1,1-Dichloroethene | <5.0 | mg/L | |
| 2,4-D | NP | mg/L | |
| 2,4-Dinitrotoluene | <10.0 | mg/L | |
| Endrin | NP | mg/L | |
| Heptachlor | NP | mg/L | |
| Hexachlorobenzene | <10.0 | mg/L | |
| Hexachlorobutadiene | <10.0 | mg/L | |
| Hexachloroethane | <10.0 | mg/L | |
| Lindane | NP | mg/L | |
| Mercury | <0.02 | mg/L | 7470 |
| Methoxychlor | NP | mg/L | |
| Methyl Ethyl Ketone | <100 | mg/L | |
| Nitrobenzene | <10.0 | mg/L | |

TO:

AL/OEBE
BROOKS AFB TX 78235-5000

PAGE 1 (Cont'd)

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910247 OEHL SAMPLE NO: 91011061
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910301 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|--------------------------|----------------|--------------|-------------------|
| Pentachlorophenol | <10.0 | mg/L | |
| Pyridine | <10.0 | mg/L | |
| Selenium | <0.1 | mg/L | 3020/7740 |
| Silver | <0.5 | mg/L | 3010/7760 |
| Toxaphene | NP | mg/L | |
| Vinyl Chloride | <10.0 | mg/L | |
| Trichloroethylene | <5.0 | mg/L | |
| Tetrachloroethylene | <5.0 | mg/L | |
| 2,4,5-Trichlorophenol | <40. | mg/L | |
| 2,4,6-Trichlorophenol | <10.0 | mg/L | |
| Silvex | NP | mg/L | |
| Flash Point (closed cup) | >200 | degrees F | 1010 |
| Corrosivity | SINC | | 1110 |
| Hydrogen ion (pH) | 5.0 | | 1110 |
| Cyanide (total) | <2.0 | | SW 846 SEC 8.3 |
| Sulfides | <10.0 | mg/L | SW 846 SEC 8.3 |
| Major components | SN | | |

NP : Test Not Performed
SINC : Sample is not corrosive.
SN : See comment.

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910247 OEHL SAMPLE NO: 91011061
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910301 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|-------------|----------------|--------------|-------------------|
|-------------|----------------|--------------|-------------------|

Comments:

SAMPLE IS 79% PETROLEUM HYDROCARBONS (THICK OIL) AND 21% SURFACTANTS.
< - Signifies none detected and the detection limits.

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:



Michael J. Wantland, MSgt, USAF
NCOIC Technical Operations Branch

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910248 OEHL SAMPLE NO: 91011062
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910301 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|--------------------------|----------------|--------------|-------------------|
| Lead | <0.5 | mg/L | 3010/7420 |
| Flash Point (closed cup) | 85 | degrees F | 1010 |
| Arsenic | <0.5 | mg/L | 3020/7060 |
| Barium | <10.0 | mg/L | 3010/7080 |
| Benzene | 300 | mg/L | |
| Cadmium | <0.1 | mg/L | 3010/7130 |
| Carbon Tetrachloride | <5.0 | mg/L | |
| Chlordane | NP | mg/L | |
| Chlorobenzene | <10.0 | mg/L | |
| Chloroform | <5.0 | mg/L | |
| Chromium | <0.5 | mg/L | 3010/7190 |
| m-Cresol | <20. | mg/L | |
| o-Cresol | <20. | mg/L | |
| p-Cresol | <20. | mg/L | |
| 1,4-Dichlorobenzene | <10.0 | mg/L | |
| 1,2-Dichloroethane | <5.0 | mg/L | |
| 1,1-Dichloroethene | <5.0 | mg/L | |
| 2,4-D | NP | mg/L | |
| 2,4-Dinitrotoluene | <10.0 | mg/L | |
| Endrin | NP | mg/L | |
| Heptachlor | NP | mg/L | |
| Hexachlorobenzene | <10.0 | mg/L | |
| Hexachlorobutadiene | <10.0 | mg/L | |
| Hexachloroethane | <10.0 | mg/L | |
| Lindane | NP | mg/L | |
| Mercury | <0.02 | mg/L | 7470 |
| Methoxychlor | NP | mg/L | |
| Methyl Ethyl Ketone | <100 | mg/L | |

TO:

AL/OEBE
BROOKS AFB TX 78235-5000

PAGE 1 (Cont'd)

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910248 OEHL SAMPLE NO: 91011062
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910301 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|-----------------------|----------------|--------------|-------------------|
| Nitrobenzene | <10.0 | mg/L | |
| Pentachlorophenol | <10.0 | mg/L | |
| Pyridine | <10.0 | mg/L | |
| Selenium | <0.1 | mg/L | 3020/7740 |
| Silver | <0.5 | mg/L | 3010/7760 |
| Toxaphene | NP | mg/L | |
| Vinyl Chloride | <10.0 | mg/L | |
| Trichloroethylene | <5.0 | mg/L | |
| Tetrachloroethylene | <5.0 | mg/L | |
| 2,4,5-Trichlorophenol | <40. | mg/L | |
| 2,4,6-Trichlorophenol | <10.0 | mg/L | |
| Silvex | NP | mg/L | |
| Corrosivity | SINC | | 1110 |
| Hydrogen ion (pH) | 6.0 | | 1110 |
| Cyanide (total) | <2.0 | | SW 846 SEC 8.3 |
| Sulfides | <10.0 | mg/L | SW 846 SEC 8.3 |
| Major components | SN | | |

NP : Test Not Performed
SINC : Sample is not corrosive.
SN : See comment.

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910248 OEHL SAMPLE NO: 91011062
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910701 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|-------------|----------------|--------------|-------------------|
|-------------|----------------|--------------|-------------------|

Comments:

SAMPLE IS >99% PETROLEUM HYDROCARBONS (KEROSENE/JET FUEL).
< - Signifies none detected and the detection limits.

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by: 

Michael J. Wantland, MSgt, USAF
NCOIC Technical Operations Branch

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910249 OEHL SAMPLE NO: 91011063
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910301 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEIDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|----------------------|----------------|--------------|-------------------|
| Methoxychlor | NP | mg/L | |
| Arsenic | <0.5 | mg/L | 3020/7060 |
| Barium | <10.0 | mg/L | 3010/7080 |
| Benzene | 26 | mg/L | |
| Cadmium | <0.1 | mg/L | 3010/7130 |
| Carbon Tetrachloride | <5.0 | mg/L | |
| Chlordane | NP | mg/L | |
| Chlorobenzene | <10.0 | mg/L | |
| Chloroform | <5.0 | mg/L | |
| Chromium | <0.5 | mg/L | 3010/7190 |
| m-Cresol | <20. | mg/L | |
| o-Cresol | <20. | mg/L | |
| p-Cresol | <20. | mg/L | |
| 1,4-Dichlorobenzene | <10.0 | mg/L | |
| 1,2-Dichloroethane | <5.0 | mg/L | |
| 1,1-Dichloroethene | <5.0 | mg/L | |
| 2,4-D | NP | mg/L | |
| 2,4-Dinitrotoluene | <10.0 | mg/L | |
| Endrin | NP | mg/L | |
| Heptachlor | NP | mg/L | |
| Hexachlorobenzene | <10.0 | mg/L | |
| Hexachlorobutadiene | <10.0 | mg/L | |
| Hexachloroethane | <10.0 | mg/L | |
| Lead | <0.5 | mg/L | 3010/7420 |
| Lindane | NP | mg/L | |
| Nitrobenzene | <10.0 | mg/L | |
| Mercury | <0.02 | mg/L | 7470 |
| Methyl Ethyl Ketone | <100 | mg/L | |

TO:

AL/OEBE
BROOKS AFB TX 78235-5000

297

PAGE 1 (Cont'd)

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910249 OEHL SAMPLE NO: 91011063

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER: DATE RECEIVED: 910308

DATE COLLECTED: 910701 DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSB ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|--------------------------|----------------|--------------|-------------------|
| Pentachlorophenol | <10.0 | mg/L | |
| Pyridine | <10.0 | mg/L | |
| Selenium | <0.1 | mg/L | 3020/7740 |
| Silver | <0.5 | mg/L | 3010/7760 |
| Toxaphene | NP | mg/L | |
| Vinyl Chloride | <10.0 | mg/L | |
| Trichloroethylene | <5.0 | mg/L | |
| 2,4,5-Trichlorophenol | <40. | mg/L | |
| 2,4,6-Trichlorophenol | <10.0 | mg/L | |
| Tetrachloroethylene | 20 | mg/L | |
| Silvex | NP | mg/L | |
| Flash Point (Closed Cup) | >200 | degrees F | 1010 |
| Corrosivity | SINC | | 1110 |
| Hydrogen Ion (pH) | 6.0 | | 1110 |
| Cyanide (total) | <2.0 | | SW 846 SEC 8.3 |
| Sulfides | <10.0 | mg/L | SW 846 SEC 8.3 |
| Major components | SN | | |

NP : Test Not Performed

SINC : Sample is not corrosive.

SN : See comment.

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910249 OEHL SAMPLE NO: 91011063
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910301 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|-------------|----------------|--------------|-------------------|
|-------------|----------------|--------------|-------------------|

Comments:

SAMPLE IS 93% PETROLEUM HYDROCARBONS (HEAVY OIL) AND 7% SURFACTANTS.
< - Signifies none detected and the detection limits.

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by: 

Michael J. Wentland, MSgt, USAF
NCOIC Technical Operations Branch

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910250 OEHL SAMPLE NO: 91011064
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910301 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|----------------------|----------------|--------------|-------------------|
| Methoxychlor | NP | mg/L | |
| Arsenic | <0.5 | mg/L | 3020/7060 |
| Barium | <10.0 | mg/L | 3010/7080 |
| Benzene | <5.0 | mg/L | |
| Cadmium | <0.1 | mg/L | 3010/7130 |
| Carbon Tetrachloride | <5.0 | mg/L | |
| Chlordane | NP | mg/L | |
| Chlorobenzene | <10.0 | mg/L | |
| Chloroform | <5.0 | mg/L | |
| Chromium | <0.5 | mg/L | 3010/7190 |
| m-Cresol | <20. | mg/L | |
| o-Cresol | <20. | mg/L | |
| p-Cresol | <20. | mg/L | |
| 1,4-Dichlorobenzene | <10.0 | mg/L | |
| 1,2-Dichloroethane | <5.0 | mg/L | |
| 1,1-Dichloroethene | <5.0 | mg/L | |
| 2,4-D | NP | mg/L | |
| 2,4-Dinitrotoluene | <10.0 | mg/L | |
| Endrin | NP | mg/L | |
| Heptachlor | NP | mg/L | |
| Hexachlorobenzene | <10.0 | mg/L | |
| Hexachlorobutadiene | <10.0 | mg/L | |
| Hexachloroethane | <10.0 | mg/L | |
| Lead | <0.5 | mg/L | 3010/7420 |
| Lindane | NP | mg/L | |
| Nitrobenzene | <10.0 | mg/L | |
| Mercury | <0.02 | mg/L | 7470 |
| Methyl Ethyl Ketone | <100 | mg/L | |

TO:

AL/OEBE
BROOKS AFB TX 78235-5000

PAGE 1(Cont'd)

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910250 OEHL SAMPLE NO: 91011064
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910301 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|--------------------------|----------------|--------------|-------------------|
| Pentachlorophenol | <10.0 | mg/L | |
| Pyridine | <10.0 | mg/L | |
| Selenium | <0.1 | mg/L | 3020/7740 |
| Silver | <0.5 | mg/L | 3010/7760 |
| Toxaphene | NP | mg/L | |
| Vinyl Chloride | <10.0 | mg/L | |
| Trichloroethylene | <5.0 | mg/L | |
| Tetrachloroethylene | <5.0 | mg/L | |
| 2,4,5-Trichlorophenol | <40. | mg/L | |
| 2,4,6-Trichlorophenol | <10.0 | mg/L | |
| Silvex | NP | mg/L | |
| Flash Point (closed cup) | >200 | degrees F | 1010 |
| Corrosivity | SINC | | 1110 |
| Hydrogen ion (pH) | 6.0 | | 1110 |
| Cyanide (total) | <2.0 | | SW 846 SEC 8.3 |
| Sulfides | <10.0 | mg/L | SW 846 SEC 8.3 |
| Major components | SN | | |

NP : Test Not Performed

SINC : Sample is not corrosive.

SN : See comment.

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910250 OEHL SAMPLE NO: 91011064
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910301 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|-------------|----------------|--------------|-------------------|
|-------------|----------------|--------------|-------------------|

Comments:

SAMPLE IS (TOP 95%) 90% PETROLEUM HYDROCARBONS (MED. OILY SLUDGE), 8%
SURFACTANTS AND 2% WATER. (BOTTOM 5%) >99% WATER.
< - Signifies none detected and the detection limits.

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:



Michael J. Wantland, MSgt, USAF
NCOIC Technical Operations Branch

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GC910251 OEHL SAMPLE NO: 91011065
SAMPLE TYPE: UNCLASSIFIED
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910301 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|--------------------------|----------------|--------------|-------------------|
| Flash Point (closed cup) | >200 | degrees F | 1010 |
| Corrosivity | SINC | | 1110 |
| Arsenic | <0.5 | mg/L | 3020/7060 |
| Barium | <10.0 | mg/L | 3010/7080 |
| Cadmium | <0.1 | mg/L | 3010/7130 |
| Chromium | <0.5 | mg/L | 3010/7190 |
| Lead | <0.5 | mg/L | 3010/7420 |
| Mercury | <0.02 | mg/L | 7470 |
| Selenium | <0.1 | mg/L | 3020/7740 |
| Silver | <0.5 | mg/L | 3010/7760 |
| Hydrogen ion (pH) | 10.0 | | 1110 |
| Cyanide (total) | <2.0 | | SW 846 SEC 8.3 |
| Sulfides | <10.0 | mg/L | SW 846 SEC 8.3 |
| * Major components | SN | | |

SINC : Sample is not corrosive.

SN : See comment.

Comments:

SAMPLE IS 99% WATER AND 1% INORGANIC SALTS.

< - Signifies none detected and the detection limits.

TO:

AL/OEBE
BROOKS AFB TX 78235-5000

303

PAGE 1(Cont'd)

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910252 OEHL SAMPLE NO: 91011066
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910301 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HDSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|--------------------------|----------------|--------------|-------------------|
| Flash Point (closed cup) | >200 | degrees F | 1010 |
| Corrosivity | SINC | | 1110 |
| Arsenic | <0.5 | mg/L | 3020/7060 |
| Barium | <10.0 | mg/L | 3010/7080 |
| Cadmium | <0.1 | mg/L | 3010/7130 |
| Chromium | <0.5 | mg/L | 3010/7190 |
| Lead | <0.5 | mg/L | 3010/7420 |
| Mercury | <0.02 | mg/L | 7470 |
| Selenium | <0.1 | mg/L | 3020/7740 |
| Silver | <0.5 | mg/L | 3010/7760 |
| Hydrogen ion (pH) | 9.0 | | 1110 |
| Cyanide (total) | <2.0 | | SW 846 SEC 8.3 |
| Sulfides | <10.0 | mg/L | SW 846 SEC 8.3 |
| Major components | SN | | |

SINC : Sample is not corrosive.

SN : See comment.

Comments:

SAMPLE IS 99% WATER AND 1% INORGANIC SALTS.

< - Signifies none detected and the detection limits.

TO:

AL/OEBE
BROOKS AFB TX 78235-5000

304

PAGE 1(Cont'd)

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

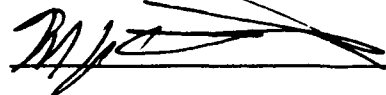
BASE SAMPLE NO: GC910251 OEHL SAMPLE NO: 91011065
SAMPLE TYPE: UNCLASSIFIED
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910301 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HDSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|-------------|----------------|--------------|-------------------|
|-------------|----------------|--------------|-------------------|

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:



Michael J. Wantland, MSgt, USAF
NCOIC Technical Operations Branch

PAGE 2

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

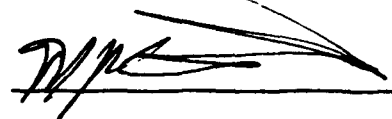
BASE SAMPLE NO: GT910252 OEHL SAMPLE NO: 91011066
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910301 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|-------------|----------------|--------------|-------------------|
|-------------|----------------|--------------|-------------------|

Analyzed by: ~~Rabe~~-Kistner Consultants, Inc.

Reviewed by:



Michael J. Wantland, MSgt, USAF
NCOIC Technical Operations Branch

PAGE 2

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GC910253 OEHL SAMPLE NO: 91011067
SAMPLE TYPE: UNCLASSIFIED
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910301 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|----------------------|----------------|--------------|-------------------|
| Methoxychlor | NP | mg/L | |
| Tetrachloroethylene | 78 | mg/L | |
| Arsenic | <0.5 | mg/L | 3020/7060 |
| Barium | <10.0 | mg/L | 3010/7080 |
| Benzene | <5.0 | mg/L | |
| Cadmium | 0.32 | mg/L | 3010/7130 |
| Carbon Tetrachloride | 15 | mg/L | |
| Chlordane | NP | mg/L | |
| Chlorobenzene | <10.0 | mg/L | |
| Chloroform | <5.0 | mg/L | |
| Chromium | <0.5 | mg/L | 3010/7190 |
| m-Cresol | <20. | mg/L | |
| o-Cresol | <20. | mg/L | |
| p-Cresol | <20. | mg/L | |
| 1,4-Dichlorobenzene | <10.0 | mg/L | |
| 1,2-Dichloroethane | <5.0 | mg/L | |
| 1,1-Dichloroethene | <10.0 | mg/L | |
| 2,4-D | NP | mg/L | |
| 2,4-Dinitrotoluene | <10.0 | mg/L | |
| Endrin | NP | mg/L | |
| Heptachlor | NP | mg/L | |
| Hexachlorobenzene | <10.0 | mg/L | |
| Hexachlorobutadiene | <10.0 | mg/L | |
| Hexachloroethane | <10.0 | mg/L | |
| Lead | <0.5 | mg/L | 3010/7420 |
| Lindane | NP | mg/L | |
| Nitrobenzene | <10.0 | mg/L | |
| Mercury | <0.02 | mg/L | 7470 |

TO:

AL/OEBE
BROOKS AFB TX 78235-5000

PAGE 1(Cont'd)

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GC910253 OEHL SAMPLE NO: 91011067
SAMPLE TYPE: UNCLASSIFIED
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910301 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|--------------------------|----------------|--------------|-------------------|
| Methyl Ethyl Ketone | <100 | mg/L | |
| Pentachlorophenol | <10.0 | mg/L | |
| Pyridine | <10.0 | mg/L | |
| Selenium | <0.1 | mg/L | 3020/7740 |
| Silver | <0.5 | mg/L | 3010/7760 |
| Toxaphene | NP | mg/L | |
| Vinyl Chloride | <10.0 | mg/L | |
| Trichloroethylene | <5.0 | mg/L | |
| 2,4,5-Trichlorophenol | <40. | mg/L | |
| 2,4,6-Trichlorophenol | <10.0 | mg/L | |
| Silvex | NP | mg/L | |
| Flash Point (closed cup) | 120 | degrees F | 1010 |
| Corrosivity | SINC | | 1110 |
| Hydrogen ion (pH) | 6.0 | | 1110 |
| Cyanide (total) | <2.0 | | SW 846 SEC 8.3 |
| Sulfides | <10.0 | mg/L | SW 846 SEC 8.3 |
| Major components | SN | | |

NP : Test Not Performed
SINC : Sample is not corrosive.
SN : See comment.

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GC910253 OEHL SAMPLE NO: 91011067
SAMPLE TYPE: UNCLASSIFIED
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910301 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|-------------|----------------|--------------|-------------------|
|-------------|----------------|--------------|-------------------|

Comments:

SAMPLE IS (TOP 40%) 99% PETROLEUM HYDROCARBONS (MOTOR OIL) AND 1% WATER. (BOTTOM) 94% WATER AND 6% PETROLEUM HYDROCARBONS.
< - Signifies none detected and the detection limits.

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by: 

Michael J. Wantland, MSgt, USAF
NCOIC Technical Operations Branch

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910254 OEHL SAMPLE NO: 91011068
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910301 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|--------------------------|----------------|--------------|-------------------|
| Total organic halides | <0.03 | % | |
| Flash Point (closed cup) | >200 | degrees F | 1010 |
| Corrosivity | NP | | 1110 |
| Arsenic | <0.02 | mg/L | 3020/7060 |
| Barium | NP | mg/L | 3010/7080 |
| Cadmium | <0.2 | mg/L | 3010/7130 |
| Chromium | <0.25 | mg/L | 3010/7190 |
| Lead | <0.25 | mg/L | 3010/7420 |
| Mercury | NP | mg/L | 7470 |
| Selenium | NP | mg/L | 3020/7740 |
| Silver | NP | mg/L | 3010/7760 |
| Hydrogen ion (pH) | NP | | 1110 |
| Cyanide (total) | NP | | SW 846 SEC 8.3 |
| Sulfides | NP | mg/L | SW 846 SEC 8.3 |
| Aroclor 1016 | <1.0 | mg/kg | |
| Aroclor 1221 | <1.0 | mg/kg | |
| Aroclor 1232 | <1.0 | mg/kg | |
| Aroclor 1242 | <1.0 | mg/kg | |
| Aroclor 1248 | <1.0 | mg/kg | |
| Aroclor 1254 | <1.0 | mg/kg | |
| Aroclor 1260 | <1.0 | mg/kg | |
| Major components | SN | | |

SN : See comment.

NP : Test Not Performed

TO: 310

AL/DEBE
BROOKS AFB TX 78235-5000

PAGE 1 (Cont'd)

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910254 DEHL SAMPLE NO: 91011068
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910301 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGH HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|-------------|----------------|--------------|-------------------|
|-------------|----------------|--------------|-------------------|

Comments:

SAMPLE IS >99% PETROLEUM HYDROCARBONS (MOTOR OIL).
< - Signifies none detected and the detection limits.

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by: 

Michael J. Wantland, MSgt, USAF
NCOIC Technical Operations Branch

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GC910255 OEHL SAMPLE NO: 91011069
SAMPLE TYPE: UNCLASSIFIED
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910301 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HDSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|----------------------|----------------|--------------|-------------------|
| Tetrachloroethylene | 16 | mg/L | |
| Arsenic | <0.5 | mg/L | 3020/7060 |
| Barium | <10.0 | mg/L | 3010/7080 |
| Benzene | 2200 | mg/L | |
| Cadmium | <0.1 | mg/L | 3010/7130 |
| Carbon Tetrachloride | <5.0 | mg/L | |
| Chlordane | NP | mg/L | |
| Chlorobenzene | <10.0 | mg/L | |
| Chloroform | <5.0 | mg/L | |
| Chromium | <0.5 | mg/L | 3010/7190 |
| m-Cresol | <20. | mg/L | |
| o-Cresol | <20. | mg/L | |
| p-Cresol | <20. | mg/L | |
| 1,4-Dichlorobenzene | <0.7 | mg/L | |
| 1,2-Dichloroethane | <5.0 | mg/L | |
| 1,1-Dichloroethene | 1100 | mg/L | |
| 2,4-D | NP | mg/L | |
| Endrin | NP | mg/L | |
| 2,4-Dinitrotoluene | <0.02 | mg/L | |
| Heptachlor | NP | mg/L | |
| Hexachlorobenzene | <0.02 | mg/L | |
| Hexachlorobutadiene | <0.05 | mg/L | |
| Hexachloroethane | <0.3 | mg/L | |
| Lead | 2.0 | mg/L | 3010/7420 |
| Lindane | NP | mg/L | |
| Mercury | <0.02 | mg/L | 7470 |
| Methoxychlor | NP | mg/L | |
| Methyl Ethyl Ketone | <100 | mg/L | |

TO:

AL/OEBE
BROOKS AFB TX 78235-5000

PAGE 1 (Cont'd)

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GC910255 OEHL SAMPLE NO: 91011069
SAMPLE TYPE: UNCLASSIFIED
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910301 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|--------------------------|----------------|--------------|-------------------|
| Nitrobenzene | <0.2 | mg/L | |
| Pentachlorophenol | <10.0 | mg/L | |
| Pyridine | <0.5 | mg/L | |
| Selenium | <0.1 | mg/L | 3020/7740 |
| Silver | <0.5 | mg/L | 3010/7760 |
| Toxaphene | NP | mg/L | |
| Vinyl Chloride | <10.0 | mg/L | |
| Trichloroethylene | <5.0 | mg/L | |
| 2,4,5-Trichlorophenol | <40. | mg/L | |
| 2,4,6-Trichlorophenol | <0.2 | mg/L | |
| Silvex | NP | mg/L | |
| Flash Point (closed cup) | >200 | degrees F | 1010 |
| Corrosivity | SINC | | 1110 |
| Hydrogen ion (pH) | 8.0 | | 1110 |
| Cyanide (total) | <2.0 | | SW 846 SEC 8.3 |
| Sulfides | <10.0 | mg/L | SW 846 SEC 8.3 |

NP : Test Not Performed

SINC : Sample is not corrosive.

Comments:

SAMPLE IS (TOP 50%) >99% PETROLEUM HYDROCARBONS (MOTOR OIL). (BOTTOM 50%) 63% WATER AND 37% PETROLEUM HYDROCARBONS.
< - Signifies none detected and the detection limits.

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GC910255 OEHL SAMPLE NO: 91011069
SAMPLE TYPE: UNCLASSIFIED
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910301 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|-------------|----------------|--------------|-------------------|
|-------------|----------------|--------------|-------------------|

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by: 

Michael J. Wantland, MSgt, USAF
NCOIC Technical Operations Branch

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910256 OEHL SAMPLE NO: 91011070
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910301 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HDSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|--------------------------|----------------|--------------|-------------------|
| Total organic halides | 0.1 | % | |
| Flash Point (closed cup) | >200 | degrees F | 1010 |
| Corrosivity | NP | | 1110 |
| Arsenic | <0.02 | mg/L | 3020/7060 |
| Barium | NP | mg/L | 3010/7080 |
| Cadmium | <0.2 | mg/L | 3010/7130 |
| Chromium | <0.25 | mg/L | 3010/7190 |
| Lead | <0.25 | mg/L | 3010/7420 |
| Mercury | NP | mg/L | 7470 |
| Selenium | NP | mg/L | 3020/7740 |
| Silver | NP | mg/L | 3010/7760 |
| Hydrogen ion (pH) | NP | | 1110 |
| Cyanide (total) | NP | | SW 846 SEC 8.3 |
| Sulfides | NP | mg/L | SW 846 SEC 8.3 |
| Aroclor 1016 | <1.0 | mg/kg | |
| Aroclor 1221 | <1.0 | mg/kg | |
| Aroclor 1232 | <1.0 | mg/kg | |
| Aroclor 1242 | <1.0 | mg/kg | |
| Aroclor 1248 | <1.0 | mg/kg | |
| Aroclor 1254 | <1.0 | mg/kg | |
| Aroclor 1260 | <1.0 | mg/kg | |
| Major components | SN | | |

SN : See comment.

NP : Test Not Performed

TO:

315

AL/OEBE
BROOKS AFB TX 78235-5000

PAGE 1(Cont'd)

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910256 OEHL SAMPLE NO: 91011070
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910301 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|-------------|----------------|--------------|-------------------|
|-------------|----------------|--------------|-------------------|

Comments:

SAMPLE IS >99% PETROLEUM HYDROCARBONS (MOTOR OIL).
< - Signifies none detected and the detection limits.

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by: 

Michael J. Wantland, MSgt, USAF
NCOIC Technical Operations Branch

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910257 OEHL SAMPLE NO: 91011071
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910301 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|----------------------|----------------|--------------|-------------------|
| Methoxychlor | NP | mg/L | |
| Arsenic | <0.5 | mg/L | 3020/7060 |
| Barium | <10.0 | mg/L | 3010/7080 |
| Benzene | <5.0 | mg/L | |
| Cadmium | <0.1 | mg/L | 3010/7130 |
| Carbon Tetrachloride | <5.0 | mg/L | |
| Chlordane | NP | mg/L | |
| Chlorobenzene | <10.0 | mg/L | |
| Chloroform | <5.0 | mg/L | |
| Chromium | <0.5 | mg/L | 3010/7190 |
| m-Cresol | <20. | mg/L | |
| o-Cresol | <20. | mg/L | |
| p-Cresol | <20. | mg/L | |
| 1,4-Dichlorobenzene | <10.0 | mg/L | |
| 1,2-Dichloroethane | <5.0 | mg/L | |
| 1,1-Dichloroethene | <5.0 | mg/L | |
| 2,4-D | NP | mg/L | |
| 2,4-Dinitrotoluene | <10.0 | mg/L | |
| Endrin | NP | mg/L | |
| Heptachlor | NP | mg/L | |
| Hexachlorobenzene | <10.0 | mg/L | |
| Hexachlorobutadiene | <10.0 | mg/L | |
| Hexachloroethane | <10.0 | mg/L | |
| Lead | <0.5 | mg/L | 3010/7420 |
| Lindane | NP | mg/L | |
| Mercury | <0.02 | mg/L | 7470 |
| Methyl Ethyl Ketone | <100 | mg/L | |
| Nitrobenzene | <10.0 | mg/L | |

TO:

AL/OEBE
BROOKS AFB, TX 78235-5000

PAGE 1 (Cont'd)

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910257 OEHL SAMPLE NO: 91011071
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910301 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|--------------------------|----------------|--------------|-------------------|
| Pentachlorophenol | <10.0 | mg/L | |
| Pyridine | <10.0 | mg/L | |
| Selenium | <0.1 | mg/L | 3020/7740 |
| Silver | <0.5 | mg/L | 3010/7760 |
| Toxaphene | NP | mg/L | |
| Vinyl Chloride | <10.0 | mg/L | |
| Trichloroethylene | <5.0 | mg/L | |
| Tetrachloroethylene | 1100 | mg/L | |
| 2,4,5-Trichlorophenol | <40. | mg/L | |
| 2,4,6-Trichlorophenol | <10.0 | mg/L | |
| Silvex | NP | mg/L | |
| Flash Point (closed cup) | >200 | degrees F | 1010 |
| Corrosivity | SINC | | 1110 |
| Hydrogen ion (pH) | 9.0 | | 1110 |
| Cyanide (total) | <2.0 | | SW 846 SEC 8.3 |
| Sulfides | <10.0 | mg/L | SW 846 SEC 8.3 |

NP : Test Not Performed

SINC : Sample is not corrosive.

Comments:

SAMPLE IS (TOP 50%) >99% PETROLEUM HYDROCARBONS (MOTOR OIL). (BOTTOM 50%) 100% WATER.

< - Signifies none detected and the detection limits.

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910257 OEHL SAMPLE NO: 91011071
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910301 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|-------------|----------------|--------------|-------------------|
|-------------|----------------|--------------|-------------------|

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by: 

Michael J. Wantland, MSgt, USAF
NCOIC Technical Operations Branch

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910258 OEHL SAMPLE NO: 91011072
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910301 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|--------------------------|----------------|--------------|-------------------|
| Flash Point (closed cup) | >200 | degrees F | 1010 |
| Corrosivity | SINC | | 1110 |
| Arsenic | <0.5 | mg/L | 3020/7060 |
| Barium | <10.0 | mg/L | 3010/7080 |
| Cadmium | <0.1 | mg/L | 3010/7130 |
| Chromium | <0.5 | mg/L | 3010/7190 |
| Lead | <0.5 | mg/L | 3010/7420 |
| Mercury | <0.02 | mg/L | 7470 |
| Selenium | <0.1 | mg/L | 3020/7740 |
| Silver | <0.5 | mg/L | 3010/7760 |
| Hydrogen ion (pH) | <1.0 | | 1110 |
| Cyanide (total) | <2.0 | | SW 846 SEC 8.3 |
| Sulfides | <10.0 | mg/L | SW 846 SEC 8.3 |
| Major components | SN | | |

SINC : Sample is not corrosive.

SN : See comment.

Comments:

SAMPLE IS 67% WATER, 32% HYDROCHLORIC ACID AND 1% INORGANICS.
< - Signifies none detected and the detection limits.

TO:

320

AL/OEBE
BROOKS AFB TX 78235-5000

PAGE 1 (Cont'd)

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910258 OEHL SAMPLE NO: 91011072
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910301 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|-------------|----------------|--------------|-------------------|
|-------------|----------------|--------------|-------------------|

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by: 

Michael J. Wantland, MSgt, USAF
NCOIC Technical Operations Branch

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910259 OEHL SAMPLE NO: 91011073
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910301 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|--------------------------|----------------|--------------|-------------------|
| Flash Point (closed cup) | >200 | degrees F | 1010 |
| Corrosivity | SINC | | 1110 |
| Arsenic | <0.5 | mg/L | 3020/7060 |
| Barium | <10.0 | mg/L | 3010/7080 |
| Cadmium | <0.1 | mg/L | 3010/7130 |
| Chromium | <0.5 | mg/L | 3010/7190 |
| Lead | <0.5 | mg/L | 3010/7420 |
| Mercury | <0.02 | mg/L | 7470 |
| Selenium | <0.1 | mg/L | 3020/7740 |
| Silver | <0.5 | mg/L | 3010/7760 |
| Hydrogen ion (pH) | <1.0 | | 1110 |
| Cyanide (total) | <2.0 | | SW 846 SEC 8.3 |
| Sulfides | <10.0 | mg/L | SW 846 SEC 8.3 |

SINC : Sample is not corrosive.

Comments:

SAMPLE IS 73% WATER, 24% PHOSPHORIC ACID AND 3% INORGANICS.
< - Signifies none detected and the detection limits.

TO:

AL/OEBE
BROOKS AFB TX 78235-5000

322

PAGE 1(Cont'd)

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910259 OEHL SAMPLE NO: 91011073
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910301 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|-------------|----------------|--------------|-------------------|
|-------------|----------------|--------------|-------------------|

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by: 

Michael J. Wantland, MSgt, USAF
NCOIC Technical Operations Branch

PAGE 2

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910260 OEHL SAMPLE NO: 91011074
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910301 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|----------------------|----------------|--------------|-------------------|
| Methoxychlor | NP | mg/L | |
| Arsenic | <0.5 | mg/L | 3020/7060 |
| Barium | <10.0 | mg/L | 3010/7080 |
| Benzene | <5.0 | mg/L | |
| Cadmium | <0.1 | mg/L | 3010/7130 |
| Carbon Tetrachloride | <5.0 | mg/L | |
| Chlordane | NP | mg/L | |
| Chlorobenzene | <10.0 | mg/L | |
| Chloroform | <5.0 | mg/L | |
| Chromium | <0.5 | mg/L | 3010/7190 |
| m-Cresol | <20. | mg/L | |
| o-Cresol | <20. | mg/L | |
| p-Cresol | <20. | mg/L | |
| 1,4-Dichlorobenzene | <10.0 | mg/L | |
| 1,2-Dichloroethane | <5.0 | mg/L | |
| 1,1-Dichloroethene | <5.0 | mg/L | |
| 2,4-D | NP | mg/L | |
| 2,4-Dinitrotoluene | <10.0 | mg/L | |
| Endrin | NP | mg/L | |
| Heptachlor | NP | mg/L | |
| Hexachlorobenzene | <10.0 | mg/L | |
| Hexachlorobutadiene | <10.0 | mg/L | |
| Hexachloroethane | <10.0 | mg/L | |
| Lead | <0.5 | mg/L | 3010/7420 |
| Lindane | NP | mg/L | |
| Nitrobenzene | <10.0 | mg/L | |
| Mercury | <0.02 | mg/L | 7470 |
| Methyl Ethyl Ketone | <100 | mg/L | |

TO:

AL/OEBE
BROOKS AFB TX 78235-5000

PAGE 1 (Cont'd)

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910260 OEHL SAMPLE NO: 91011074
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910301 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|--------------------------|----------------|--------------|-------------------|
| Pentachlorophenol | <10.0 | mg/L | |
| Pyridine | <10.0 | mg/L | |
| Selenium | <0.1 | mg/L | 3020/7740 |
| Silver | <0.5 | mg/L | 3010/7760 |
| Toxaphene | NP | mg/L | |
| Vinyl Chloride | <10.0 | mg/L | |
| Trichloroethylene | <5.0 | mg/L | |
| Tetrachloroethylene | <5.0 | mg/L | |
| 2,4,5-Trichlorophenol | <40. | mg/L | |
| 2,4,6-Trichlorophenol | <10.0 | mg/L | |
| Silvex | NP | mg/L | |
| Flash Point (closed cup) | >200 | degrees F. | 1010 |
| Corrosivity | SINC | | 1110 |
| Hydrogen ion (pH) | 6.0 | | 1110 |
| Cyanide (total) | <2.0 | | SW 846 SEC 8.3 |
| Sulfides | <10.0 | mg/L | SW 846 SEC 8.3 |
| Major components | SN | | |

NP : Test Not Performed
SINC : Sample is not corrosive.
SN : See comment.

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910260 OEHL SAMPLE NO: 91011074
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910301 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|-------------|----------------|--------------|-------------------|
|-------------|----------------|--------------|-------------------|

Comments:

SAMPLE IS (TOP 50%) >99% PETROLEUM HYDROCARBONS (MOTOR OIL). (BOTTOM 50%) >99% WATER.

< - Signifies none detected and the detection limits.

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by: 

Michael J. Wantland, MSgt, USAF
NCOIC Technical Operations Branch

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910261 OEHL SAMPLE NO: 91011075
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910301 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|--------------------------|----------------|--------------|-------------------|
| Flash Point (closed cup) | 124 | degrees F | 1010 |
| Corrosivity | SINC | | 1110 |
| Arsenic | <0.5 | mg/L | 3020/7060 |
| Barium | <10.0 | mg/L | 3010/7080 |
| Cadmium | <0.1 | mg/L | 3010/7130 |
| Chromium | <0.5 | mg/L | 3010/7190 |
| Lead | <0.5 | mg/L | 3010/7420 |
| Selenium | <0.1 | mg/L | 3020/7740 |
| Mercury | <0.02 | mg/L | 7470 |
| Silver | <0.5 | mg/L | 3010/7760 |
| Hydrogen ion (pH) | 11.0 | | 1110 |
| Cyanide (total) | <2.0 | | SW 846 SEC 8.3 |
| Sulfides | <10.0 | mg/L | SW 846 SEC 8.3 |
| Major components | SN | | |

SINC : Sample is not corrosive.

SN : See comment.

Comments:

SAMPLE IS >99% WATER.

< - Signifies none detected and the detection limits.

TO:

327

AL/OEBE
BROOKS AFB TX 78235-5000

PAGE 1 (Cont'd)

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910261 OEHL SAMPLE NO: 91011075
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910301 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|-------------|----------------|--------------|-------------------|
|-------------|----------------|--------------|-------------------|

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by: 

Michael J. Wantland, MSgt, USAF
NCOIC Technical Operations Branch

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GC910262 OEHL SAMPLE NO: 91011076
SAMPLE TYPE: UNCLASSIFIED
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910301 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|--------------------------|----------------|--------------|-------------------|
| Total organic halides | <0.03 | % | |
| Flash Point (closed cup) | >200 | degrees F | 1010 |
| Corrosivity | NP | | 1110 |
| Arsenic | <0.02 | mg/L | 3020/7060 |
| Barium | NP | mg/L | 3010/7080 |
| Cadmium | <0.2 | mg/L | 3010/7130 |
| Chromium | 0.35 | mg/L | 3010/7190 |
| Lead | <0.25 | mg/L | 3010/7420 |
| Mercury | NP | mg/L | 7470 |
| Selenium | NP | mg/L | 3020/7740 |
| Silver | NP | mg/L | 3010/7760 |
| Hydrogen ion (pH) | NP | | 1110 |
| Cyanide (total) | NP | | SW 846 SEC 8.3 |
| Sulfides | NP | mg/L | SW 846 SEC 8.3 |
| Aroclor 1016 | <1.0 | mg/kg | |
| Aroclor 1221 | <1.0 | mg/kg | |
| Aroclor 1232 | <1.0 | mg/kg | |
| Aroclor 1242 | <1.0 | mg/kg | |
| Aroclor 1248 | <1.0 | mg/kg | |
| Aroclor 1254 | <1.0 | mg/kg | |
| Aroclor 1260 | <1.0 | mg/kg | |
| Major components | SN | | |

SN : See comment.

NP : Test Not Performed

TO:

329

AL/OEBE
BROOKS AFB TX 78235-5000

PAGE 1 (Cont'd)

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GC910262 OEHL SAMPLE NO: 91011076
SAMPLE TYPE: UNCLASSIFIED
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910301 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

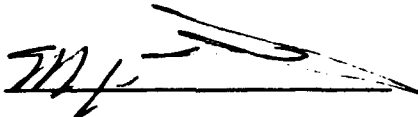
| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|-------------|----------------|--------------|-------------------|
|-------------|----------------|--------------|-------------------|

Comments:

SAMPLE IS >99% PETROLEUM HYDROCARBONS (MOTOR OIL).
< - Signifies none detected and the detection limits.

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:


Michael J. Wantland, MSgt, USAF
NCOIC Technical Operations Branch

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910263 OEHL SAMPLE NO: 91011077
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910301 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|--------------------------|----------------|--------------|-------------------|
| Flash Point (closed cup) | >200 | degrees F | 1010 |
| Corrosivity | SINC | | 1110 |
| Arsenic | <0.5 | mg/L | 3020/7060 |
| Barium | <10.0 | mg/L | 3010/7080 |
| Cadmium | <0.1 | mg/L | 3010/7130 |
| Chromium | <0.5 | mg/L | 3010/7190 |
| Lead | <0.5 | mg/L | 3010/7420 |
| Mercury | <0.02 | mg/L | 7470 |
| Selenium | <0.1 | mg/L | 3020/7740 |
| Silver | <0.5 | mg/L | 3010/7760 |
| Hydrogen ion (pH) | 12.0 | | 1110 |
| Cyanide (total) | <2.0 | | SW 846 SEC 8.3 |
| Sulfides | <10.0 | mg/L | SW 846 SEC 8.3 |
| Major components | SN | | |

SINC : Sample is not corrosive.

SN : See comment.

Comments:

SAMPLE IS 81% WATER AND 19% PETROLEUM HYDROCARBONS.
< - Signifies none detected and the detection limits.

TO:

AL/OEBE
BROOKS AFB TX 78235-5000

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910263 OEHL SAMPLE NO: 91011077
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910301 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|-------------|----------------|--------------|-------------------|
|-------------|----------------|--------------|-------------------|

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by: 

Michael J. Wentland, MSgt, USAF
NCOIC Technical Operations Branch

PAGE 2

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910264 OEHL SAMPLE NO: 91011078
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910301 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|----------------------|----------------|--------------|-------------------|
| Lindane | NP | mg/L | |
| Arsenic | <0.5 | mg/L | 3020/7060 |
| Barium | <10.0 | mg/L | 3010/7080 |
| Benzene | <5.0 | mg/L | |
| Cadmium | <0.1 | mg/L | 3010/7130 |
| Carbon Tetrachloride | <5.0 | mg/L | |
| Chlordane | NP | mg/L | |
| Chlorobenzene | <10.0 | mg/L | |
| Chloroform | <5.0 | mg/L | |
| Chromium | <0.5 | mg/L | 3010/7190 |
| m-Cresol | <20. | mg/L | |
| o-Cresol | <20. | mg/L | |
| p-Cresol | <20. | mg/L | |
| 1,4-Dichlorobenzene | <10.0 | mg/L | |
| 1,2-Dichloroethane | <5.0 | mg/L | |
| 1,1-Dichloroethene | <5.0 | mg/L | |
| 2,4-D | NP | mg/L | |
| 2,4-Dinitrotoluene | <10.0 | mg/L | |
| Endrin | NP | mg/L | |
| Heptachlor | NP | mg/L | |
| Hexachlorobenzene | <10.0 | mg/L | |
| Hexachlorobutadiene | <10.0 | mg/L | |
| Hexachloroethane | <10.0 | mg/L | |
| Lead | <0.5 | mg/L | 3010/7420 |
| Mercury | <0.02 | mg/L | 7470 |
| Methoxychlor | NP | mg/L | |
| Methyl Ethyl Ketone | <100 | mg/L | |
| Nitrobenzene | <10.0 | mg/L | |

TO:

AL/OEHE
BROOKS AFB TX 78235-5000

PAGE 1(Cont'd)

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910264 OEHL SAMPLE NO: 91011078
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910301 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|--------------------------|----------------|--------------|-------------------|
| Pentachlorophenol | <10.0 | mg/L | |
| Pyridine | <10.0 | mg/L | |
| Selenium | <0.1 | mg/L | 3020/7740 |
| Silver | <0.5 | mg/L | 3010/7760 |
| Toxaphene | NP | mg/L | |
| Vinyl Chloride | <10.0 | mg/L | |
| Trichloroethylene | <5.0 | mg/L | |
| Tetrachloroethylene | 300 | mg/L | |
| 2,4,5-Trichlorophenol | <40. | mg/L | |
| 2,4,6-Trichlorophenol | <10.0 | mg/L | |
| Silvex | NP | mg/L | |
| Flash Point (closed cup) | >200 | degrees F | 1010 |
| Corrosivity | SINC | | 1110 |
| Hydrogen ion (pH) | 7.0 | | 1110 |
| Cyanide (total) | <2.0 | | SW 846 SEC 8.3 |
| Sulfides | <10.0 | mg/L | SW 846 SEC 8.3 |
| Major components | SN | | |

NP : Test Not Performed
SINC : Sample is not corrosive.
SN : See comment.

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910264 OEHL SAMPLE NO: 91011078
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910301 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|-------------|----------------|--------------|-------------------|
|-------------|----------------|--------------|-------------------|

Comments:

SAMPLE IS 98% 1,1,1 TRICHLOROETHANE AND 2% WATER.
< - Signifies none detected and the detection limits.

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by: 

Michael J. Wantland, MSgt, USAF
NCOIC Technical Operations Branch

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910265 OEHL SAMPLE NO: 91011079
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910301 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|--------------------------|----------------|--------------|-------------------|
| Flash Point (closed cup) | >200 | degrees F | 1010 |
| Corrosivity | SINC | | 1110 |
| Arsenic | <0.5 | mg/L | 3020/7060 |
| Barium | <10.0 | mg/L | 3010/7080 |
| Cadmium | <0.1 | mg/L | 3010/7130 |
| Chromium | <0.5 | mg/L | 3010/7190 |
| Lead | <0.5 | mg/L | 3010/7420 |
| Mercury | <0.02 | mg/L | 7470 |
| Selenium | <0.1 | mg/L | 3020/7740 |
| Silver | <0.5 | mg/L | 3010/7760 |
| Hydrogen ion (pH) | 9.0 | | 1110 |
| Cyanide (total) | <2.0 | | SW 846 SEC 8.3 |
| Sulfides | <10.0 | mg/L | SW 846 SEC 8.3 |
| Major components | SN | | |

SINC : Sample is not corrosive.

SN : See comment.

Comments:

SAMPLE IS 67% WATER, 32% PETROLEUM HYDROCARBONS AND 1% INORGANICS.
< - Signifies none detected and the detection limits.

TO:

336

AL/OEBE
BROOKS AFB TX 78235-5000

PAGE 1(Cont'd)

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910265 OEHL SAMPLE NO: 91011079
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910301 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|-------------|----------------|--------------|-------------------|
|-------------|----------------|--------------|-------------------|

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by: 

Michael J. Wantland, MSgt, USAF
NCOIC Technical Operations Branch

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910266 OEHL SAMPLE NO: 91011080
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910301 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|-----------------------|----------------|--------------|-------------------|
| Benzene | <5.0 | mg/L | |
| Carbon Tetrachloride | <5.0 | mg/L | |
| Chlorobenzene | <10.0 | mg/L | |
| Chloroform | <5.0 | mg/L | |
| m-Cresol | <20. | mg/L | |
| o-Cresol | <20. | mg/L | |
| p-Cresol | <20. | mg/L | |
| 1,4-Dichlorobenzene | <10.0 | mg/L | |
| 1,2-Dichloroethane | <5.0 | mg/L | |
| 1,1-Dichloroethene | <5.0 | mg/L | |
| 2,4-Dinitrotoluene | <10.0 | mg/L | |
| Hexachlorobenzene | <10.0 | mg/L | |
| Hexachlorobutadiene | <10.0 | mg/L | |
| Hexachloroethane | <10.0 | mg/L | |
| Methyl Ethyl Ketone | <20. | mg/L | |
| Nitrobenzene | <10.0 | mg/L | |
| Pentachlorophenol | <10.0 | mg/L | |
| Pyridine | <10.0 | mg/L | |
| Vinyl Chloride | <10.0 | mg/L | |
| Trichloroethylene | <5.0 | mg/L | |
| Tetrachloroethylene | <5.0 | mg/L | |
| 2,4,5-Trichlorophenol | <40. | mg/L | |
| 2,4,6-Trichlorophenol | <10.0 | mg/L | |
| Arsenic | <0.5 | mg/L | 3020/7060 |
| Barium | <10.0 | mg/L | 3010/7080 |
| Cadmium | <0.1 | mg/L | 3010/7130 |
| Chromium | <0.5 | mg/L | 3010/7190 |
| Lead | <0.5 | mg/L | 3010/7420 |

TO:

AL/OEBE
BROOKS AFB TX 78235-5000

338

PAGE 1 (Cont'd)

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910266 OEHL SAMPLE NO: 91011080
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910301 DATE REPORTED: 910531
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|--------------------------|----------------|--------------|-------------------|
| Mercury | <0.02 | mg/L | 7470 |
| Selenium | <0.1 | mg/L | 3020/7740 |
| Silver | <0.5 | mg/L | 3010/7760 |
| Flash Point (closed cup) | 124 | degrees F | 1010 |
| Corrosivity | SINC | | 1110 |
| Hydrogen ion (pH) | 6.0 | | 1110 |
| Cyanide (total) | <2.0 | | SW 846 SEC 8.3 |
| Sulfides | <10.0 | mg/L | SW 846 SEC 8.3 |
| Major components | SN | | |

SINC : Sample is not corrosive.

SN : See comment.

Comments:

SAMPLE IS (TOP 5%) >99% PETROLEUM HYDROCARBONS (MOTOR OIL). (BOTTOM 95%) 90% WATER AND 10% PETROLEUM HYDROCARBONS.
< - Signifies none detected and the detection limits.

AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
BROOKS AFB, TEXAS, 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910266 DEHL SAMPLE NO: 91011080
SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC DISPOSAL
SITE IDENTIFIER: DATE RECEIVED: 910308
DATE COLLECTED: 910701 DATE REPORTED: 910931
SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | <u>Results</u> | <u>Units</u> | <u>EPA Method</u> |
|-------------|----------------|--------------|-------------------|
|-------------|----------------|--------------|-------------------|

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:



Michael J. Wantland, MSgt, USAF
NCOIC Technical Operations Branch